TITLE 326 AIR POLLUTION CONTROL BOARD

LSA Document #03-67(F)

DIGEST

Adds 326 IAC 2-2.2 concerning clean unit designations in attainment areas, 326 IAC 2-2.3 concerning pollution control project exclusion procedural requirements in attainment areas, 326 IAC 2-2.4 concerning actuals plantwide applicability limitations in attainment areas, 326 IAC 2-2.6 concerning federal NSR requirements for sources subject to P.L.231-2003, SECTION 6, 326 IAC 2-3.2 concerning clean unit designations in nonattainment areas, 326 IAC 2-3.3 concerning pollution control project exclusion procedural requirements in nonattainment areas, and 326 IAC 2-3.4 concerning actuals plantwide applicability limitations in nonattainment areas. Amends 326 IAC 2-1.1-7 concerning permitting fees, 326 IAC 2-2-1 concerning definitions relating to Prevention of Significant Deterioration (PSD) requirements, 326 IAC 2-2-2 concerning applicability of PSD requirements, 326 IAC 2-2-3 concerning requirements for control technology review, 326 IAC 2-2-4 concerning requirements for an air quality analysis, 326 IAC 2-2-5 concerning requirements relating to an air quality impact, 326 IAC 2-2-6 concerning requirements for increment consumption, 326 IAC 2-2-7 concerning requirements for additional analysis, 326 IAC 2-2-8 concerning source obligations, 326 IAC 2-2-10 concerning source information, 326 IAC 2-3-1 concerning definitions relating to emission offsets, 326 IAC 2-3-2 concerning applicability of emission offsets, 326 IAC 2-3-3 concerning applicable requirements, 326 IAC 2-5.1-4 concerning transition procedures, 326 IAC 2-7-10.5 concerning source modifications relating to Part 70 permits, 326 IAC 2-7-11 concerning administrative permit amendments, and 326 IAC 2-7-12 concerning permit modifications. Repeals 326 IAC 2-2.5. Effective 30 days after filing with the secretary of state.

HISTORY

First Notice of Comment Period: April 1, 2003, Indiana Register (26 IR 2473).
Second Notice of Comment Period and Notice of First Hearing: September 1, 2003, Indiana Register (26 IR 3962).
Change in Notice of First Hearing: December 1, 2003, Indiana Register (27 IR 905).
Date of First Hearing: January 7, 2004.
Proposed Rule and Notice of Second Hearing: March 1, 2004, Indiana Register (27 IR 1966).
Third Comment Period: March 1, 2004, Indiana Register (27 IR 1967).
Date of Second Hearing: June 2, 2004.

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SECTION 1. 326 IAC 2-1.1-7 IS AMENDED TO READ AS FOLLOWS:

326 IAC 2-1.1-7 Fees
Authority: IC 13-14-8; IC 13-15-2; IC 13-17-3-4; IC 13-17-3-11; IC 13-17-8

Affected: IC 13-15; IC 13-16-2; IC 13-17

Sec. 7. The applicant shall pay a fee based upon the cost to the commissioner of processing and reviewing the applicable registration, permit, or operating permit revision application and the cost of determining compliance with the terms and conditions of a permit. Except for sources identified in subdivision (5)(A), (5)(B), or (5)(E), sources subject to 326 IAC 2-7-19 are exempt from the fees established by subdivisions (1) and (4) through (6). Sources that have received a permit ~~pursuant to~~ **under** 326 IAC 2-8 are exempt from the fees established by subdivisions (1) and (4) through (6), except to the extent provided in 326 IAC 2-8-16. Sources subject to 326 IAC 2-9 are exempt from the fees established by subdivision (1). The fees are established as follows:

(1) A basic filing fee of one hundred dollars ($100) shall be submitted with any application submitted to the commissioner for review in accordance with this article.

(2) A fee of five hundred dollars ($500) shall be submitted upon billing for:

(A) a registration under 326 IAC 2-5.1-2;

(B) a minor permit revision under 326 IAC 2-6.1-6(g) or 326 IAC 2-8-11.1(d); or

(C) a modification under 326 IAC 2-7-10.5(d).

(3) At the time the notice of a proposed permit, modification approval, or permit revision is published under 326 IAC 2-5.1-3, 326 IAC 2-6.1-6(i), 326 IAC 2-8-11.1(f), or a modification under 326 IAC 2-7-10.5(f), permit or significant permit revision fees shall be assessed as follows:

(A) A construction permit, modification approval, or significant permit revision approval fee of three thousand five hundred dollars ($3,500) shall be submitted upon billing for those sources subject to 326 IAC 2-5.1-3, 326 IAC 2-6.1-6(i), 326 IAC 2-7-10.5(f), or 326 IAC 2-8-11.1(f). The fee assessed under subdivision (1) shall be credited toward this fee.

(B) A construction permit fee of six thousand dollars ($6,000) shall be submitted upon billing for those applications requiring review for PSD requirements under 326 IAC 2-2 or emission offset under 326 IAC 2-3. The fees assessed under subdivision (1) and clause (A) shall be credited toward this fee.

(C) Air quality analyses fees shall be assessed as follows:

(i) A fee of three thousand five hundred dollars ($3,500) shall be submitted upon billing if an air quality analysis is required under 326 IAC 2-2-4 or 326 IAC 2-3-3.

(ii) In lieu of the fee under item (i), a fee of six thousand dollars ($6,000) shall be submitted upon billing for an air quality analysis per pollutant performed by the commissioner upon request of the source owner or operator. The commissioner may deny a request to perform an air quality analysis.

(D) Fees for control technology analyses for best available control technology (BACT) under 326 IAC 2-2-3, ~~or~~ lowest achievable emission rate (LAER) under 326 IAC 2-3-3, **or comparison of control technology to BACT or LAER for purposes of a clean unit designation as described in 326 IAC 2-2.2-2 or 326 IAC 2-3.2-2** shall be assessed as follows per emissions unit or group of identical emissions units for which a control technology analysis is required:

(i) A fee of three thousand dollars ($3,000) shall be submitted upon billing if two (2) to five (5) control technology analyses are required.

(ii) A fee of six thousand dollars ($6,000) shall be submitted upon billing if six (6) to ten (10) control technology analyses are required.

(iii) A fee of ten thousand dollars ($10,000) shall be submitted upon billing if more than ten (10) control technology analyses are required.

(E) Miscellaneous fees to cover technical and administrative costs shall be assessed as follows:

(i) A fee of five hundred dollars ($500) shall be submitted upon billing for each review for an applicable national emission standard for hazardous air pollutants under 326 IAC 14 or 326 IAC 20 or an applicable new source performance standard under 326 IAC 12.

(ii) A fee of five hundred dollars ($500) shall be submitted upon billing for each public hearing conducted prior to issuance of the permit or modification approval.

(iii) A fee of six hundred dollars ($600) shall be submitted upon billing for each control technology analysis for BACT for volatile organic compounds under 326 IAC 8-1-6 and for maximum achievable control technology under 326 IAC 2-4.1.

(F) Fees for establishing a plantwide applicability limitation (PAL) in a PAL permit shall be assessed as follows:

(i) A separate fee shall be assessed for each PAL pollutant.

(ii) The fee for each PAL pollutant shall be assessed at forty dollars ($40) per ton of the allowable emissions for that PAL pollutant.

(iii) The maximum combined fee for all PAL pollutants shall not exceed forty thousand dollars ($40,000).

(4) Annual operating permit fees shall be assessed as follows:

(A) A basic permit fee of two hundred dollars ($200) shall be submitted upon billing for each operating permit required under 326 IAC 2-6.1.

(B) A fee of six hundred dollars ($600) shall be submitted upon billing for each source with a potential to emit greater than five (5) tons per year of lead.

(C) A fee of one hundred dollars ($100) shall be submitted upon billing for a relocation approval for a portable source.

(5) In lieu of fees assessed under subdivision (4), annual operating permit fees shall be assessed for identified source categories as follows:

(A) During the years 1995 through 1999 inclusive, a fee of fifty thousand dollars ($50,000), less any amount credited under this clause, shall be charged to an electric power plant for a Phase I affected unit, as identified in Table A of Section 404 of the CAA, or for a substitution unit as determined by the U.S. EPA in accordance with Section 404 of the CAA. Any fees paid by that plant for non-Phase I units under 326 IAC 2-7-19 shall be credited toward this fee. Prior to 1995, a fee of three thousand dollars ($3,000) shall be submitted upon billing by the sources described in this clause. The existence of a Phase I unit at an electric power plant does not affect the plant's duty to pay fees for non-Phase I units at the plant.

(B) A fee for each coke plant equal to the costs to the commissioner associated with conducting the surveillance activities required to determine compliance with 40 CFR **Part** 63, Subpart L* shall be submitted upon billing. Any fee collected under this clause shall not exceed one hundred twenty-five thousand dollars ($125,000).

(C) A fee of six hundred dollars ($600) shall be submitted upon billing for each surface coal mining operation per mining area or pit.

(D) A fee of two hundred dollars ($200) shall be submitted upon billing for each grain terminal elevator as defined in 326 IAC 1-2-33.2.

(E) A fee of twenty-five thousand dollars ($25,000) shall be submitted upon billing for a municipal solid waste incinerator with capacity greater than two hundred fifty (250) tons per day.

(6) In addition to the fees assessed under subdivisions (1) through (5), miscellaneous fees to cover technical and administrative costs shall be assessed to sources subject to this section except for sources subject to fees established in subdivision (5)(A), (5)(B), or (5)(E) as follows:

(A) A fee of one thousand four hundred dollars ($1,400) shall be submitted upon billing for any air quality network required by permit.

(B) A fee of seven hundred dollars ($700) shall be paid for review under 326 IAC 3 of any source sampling test required by permit, per emissions unit. This fee shall be paid upon submittal of a protocol for the stack test as required by 326 IAC 3.

(C) A fee of two hundred dollars ($200) shall be submitted upon billing for each opacity or pollutant continuous emission monitor required by permit.

(7) Fees shall be paid by mail or in person and shall be paid upon billing by check or money order, payable to "Cashier, Indiana Department of Environmental Management" no later than thirty (30) days after receipt of billing. Nonpayment may result in denial of a permit application or revocation of the permit.

(8) If an annual fee is being paid under a fee payment schedule established under IC 13-16-2, the fee shall be paid in accordance with that schedule. Establishment of a fee payment schedule must be consistent with IC 13-16-2, including the determination that a single payment of the entire fee is an undue hardship on the person and that the commissioner is not required to assess installments separately. Failure to pay in accordance with the fee payment schedule that results in substantial nonpayment of the fee may result in revocation of the permit.

(9) Fees are nonrefundable. If the permit is denied or revoked or the source or emissions unit is shut down, the fees shall neither be refunded nor applied to any subsequent application or reapplication.

(10) If a permit becomes lost or damaged, a replacement may be requested.

(11) The commissioner may adjust all fees on January 1 of each calendar year by the Consumer Price Index (CPI) using revision of the CPI that is most consistent with the CPI for the calendar year 1995.

*This document is incorporated by reference. Copies may be obtained from the Government Printing Office, 732 North Capitol Street NW, Washington, D.C. 20401 or are available for review and copying at the Indiana Department

of Environmental Management, Office of Air Quality, Indiana Government Center-North, Tenth Floor, 100 North Senate Avenue, Indianapolis, Indiana 46204. *(Air Pollution Control Board; 326 IAC 2-1.1-7; filed Nov 25, 1998, 12:13 p.m.: 22 IR 991; filed May 21, 2002, 10:20 a.m.: 25 IR 3057; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3887)*

SECTION 2. 326 IAC 2-2-1, AS AMENDED AT 27 IR 2216, SECTION 1, IS AMENDED TO READ AS FOLLOWS:

326 IAC 2-2-1 Definitions
Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-15; IC 13-17

Sec. 1. (a) The definitions in this section apply throughout this rule.

(b) "Actual emissions" means the actual rate of emissions of a **regulated NSR** pollutant from an emissions unit as determined in accordance with the following:

(1) In general, actual emissions as of a particular date shall equal the average rate, in tons per year, at which the unit actually emitted the pollutant during a ~~two (2)~~ **year consecutive twenty-four (24) month** period preceding the particular date and representative of normal source operation. The department shall allow the use of a different time period upon a determination that it is more representative of normal source operation. Actual emissions shall be calculated using the unit's actual operating hours, production rates, and types of materials processed, stored, or combusted during the selected time period.

(2) The department may presume that source-specific allowable emissions for the unit are equivalent to the actual emissions of the unit.

(3) For any emissions unit ~~other than an electric utility steam generating unit described in subdivision (4), which~~ **that** has not begun normal operations on the particular date, actual emissions shall equal the potential to emit of the unit on that date.

~~(4) For an electric utility steam generating unit, other than a new unit or the replacement of an existing unit, actual emissions of the unit following the physical or operational change shall equal the representative actual annual emissions of the unit, provided the source owner or operator maintains and submits to the department on an annual basis for a period of five (5) years from the date the unit resumes regular operation information demonstrating that the physical or operational change did not result in an emissions increase. A longer period, not to exceed ten (10) years, may be required by the department if the department determines such a period to be more representative of normal source postchange operations.~~

(4) The term shall not apply for calculating a significant emissions increase under section 2(d) of this rule or for establishing a PAL under 326 IAC 2-2.4. Instead, subsections (e) and (rr) shall apply for those purposes.

(c) "Adverse impact on visibility" means visibility impairment that interferes with the management, protection, preservation, or enjoyment of the visitor's visual experience of the federal Class I area as defined in section 13 of this rule. This determination must be made on a case-by-case basis taking into account the geographic extent, intensity, duration, frequency, and time of visibility impairment, and how these factors correlate with:

(1) times of visitor use of the federal Class I area; and

(2) the frequency and timing of natural conditions that reduce visibility.

(d) "Allowable emissions" means the emissions rate of a stationary source calculated using the maximum rated capacity of the source (unless a source is subject to enforceable permit limits that restrict the operating rate or hours of operation, or both) and the most stringent of the:

(1) applicable standards as set forth in 40 CFR **Part** 60* and 40 CFR **Part** 61*;

(2) state implementation plan emissions limitation, including those with a future compliance date; or

(3) emissions rate specified as an enforceable permit condition, including those with a future compliance date.

(e) "Baseline actual emissions" means the rate of emissions, in tons per year, of a regulated NSR pollutant, as determined in accordance with the following:

(1) For any existing electric utility steam generating unit, "baseline actual emissions" means the average rate, in tons per year, at which the unit actually emitted the pollutant during any consecutive twenty-four (24)

month period selected by the owner or operator within the five (5) year period immediately preceding when the owner or operator begins actual construction of the project. The commissioner shall allow the use of a different time period upon a determination that it is more representative of normal source operation. The baseline actual emissions shall be determined in accordance with the following:

(A) The average rate shall include fugitive emissions to the extent quantifiable and emissions associated with startups, shutdowns, and malfunctions to the extent they are affected by the project.

(B) The average rate shall be adjusted downward to exclude any noncompliant emissions that occurred while the source was operating above any emission limitation that was legally enforceable during the consecutive twenty-four (24) month period.

(C) For a regulated NSR pollutant, when a project involves multiple emissions units, only one (1) consecutive twenty-four (24) month period may be used to determine the baseline actual emissions for the emissions units being changed. A different consecutive twenty-four (24) month period can be used for each regulated NSR pollutant.

(D) The average rate shall not be based on any consecutive twenty-four (24) month period for which there is inadequate information available for determining annual emissions, in tons per year, and for adjusting this amount if required by clause (B).

(2) For an existing emissions unit other than an electric utility steam generating unit, "baseline actual emissions" means the average rate, in tons per year, at which the emissions unit actually emitted the pollutant during any consecutive twenty-four (24) month period selected by the owner or operator within the ten (10) year period immediately preceding either the date the owner or operator begins actual construction of the project or the date a complete permit application is received by the department for a permit required by this rule, except that the ten (10) year period shall not include any period earlier than November 15, 1990. The baseline actual emissions shall be determined in accordance with the following:

(A) The average rate shall include fugitive emissions to the extent quantifiable and emissions associated with startups, shutdowns, and malfunctions to the extent they are affected by the project.

(B) The average rate shall be adjusted downward to exclude any noncompliant emissions that occurred while the source was operating above an emission limitation that was legally enforceable during the consecutive twenty-four (24) month period.

(C) The average rate shall be adjusted downward to exclude any emissions that would have exceeded an emission limitation with which the major stationary source must currently comply had the major stationary source been required to comply with the limitations during the consecutive twenty-four (24) month period. However, if an emission limitation is part of a maximum achievable control technology standard that the U.S. EPA proposed or promulgated under 40 CFR Part 63*, the baseline actual emissions need only be adjusted if the department has applied the emissions reductions to an attainment demonstration or maintenance plan consistent with the requirements of 326 IAC 2-3-3(b)(14).

(D) For a regulated NSR pollutant, when a project involves multiple emissions units, only one (1) consecutive twenty-four (24) month period may be used to determine the baseline actual emissions for all the emissions units being changed. A different consecutive twenty-four (24) month period can be used for each regulated NSR pollutant.

(E) The average rate shall not be based on any consecutive twenty-four (24) month period for which there is inadequate information available for determining annual emissions, in tons per year, and for adjusting this amount if required by clauses (B) and (C).

(3) For a new emissions unit, the baseline actual emissions for purposes of determining the emissions increase that will result from the initial construction and operation of the unit shall equal zero (0) and thereafter, for all other purposes, shall equal the unit's potential to emit.

(4) For a PAL for a stationary source, the baseline actual emissions shall be calculated as follows:

(A) For an existing electric utility steam generating unit, in accordance with subdivision (1).

(B) For an existing emissions unit except an existing electric utility steam generating unit, in accordance with subdivision (2).

(C) For a new emissions unit, in accordance with subdivision (3).

~~(e)~~ **(f)** "Baseline area" means the following:

(1) Any intrastate area (and every part thereof) designated as attainment or unclassifiable in accordance with 326 IAC 1-4 in which the major stationary source or major modification establishing the minor source baseline date would

construct or would have an air quality impact equal to or greater than one (1) microgram per cubic meter ($\mu g/m^3$) (annual average) of the pollutant for which the minor source baseline date is established.

(2) Area redesignations under 326 IAC 1-4 and Section 107(d)(1) (D) or 107(d)(1)(E) of the Clean Air Act (CAA) cannot intersect or be smaller than the area of impact of any major stationary source or major modification that:

(A) establishes a minor source baseline date; or

(B) is subject to 40 CFR **Part** 52.21* and this rule and would be constructed in the same state as the state proposing the redesignation.

(3) Any baseline area established originally for the total suspended particulate (TSP) increments shall remain in effect and shall apply for purposes of determining the amount of available PM_{10} increments, except that ~~such~~ **the** baseline area shall not remain in effect if U.S. EPA rescinds the corresponding minor source baseline date in accordance with 40 CFR **Part** 52.21(b)(14)(iv)*.

~~(f)~~ **(g)** "Baseline concentration" means that ambient concentration level that exists in the baseline area at the time of the applicable minor source baseline date. ~~The~~ **A** baseline concentration is determined for each pollutant for which a **minor source** baseline date is established and shall include the following:

(1) The actual emissions, **as defined in subsection (b),** representative of sources in existence on the applicable minor source baseline date except as provided in subdivision (3).

(2) The allowable emissions of major stationary sources that commenced construction before the major source baseline date, but were not in operation by the applicable minor source baseline date.

(3) The following will not be included in the baseline concentration and will affect the applicable maximum allowable increase or increases:

(A) Actual emissions, **as defined in subsection (b),** from any major stationary source on which ~~the~~ construction commenced after the major source baseline date.

(B) ~~Actual emissions~~ Increases and decreases **of actual emissions, as defined in subsection (b),** at any stationary source occurring after the minor source baseline date.

~~(g)~~ **(h)** "Begin actual construction" means, in general, initiation of physical on-site construction activities on an emissions unit that are of a permanent nature. Such activities include, but are not limited to, the following:

(1) Installation of building supports and foundations.

(2) Laying underground pipework.

(3) Construction of permanent storage structures.

With respect to a change in method of operations, the term refers to those on-site activities other than preparatory activities that mark the initiation of the change.

~~(h)~~ (i) "Best available control technology" or "BACT" means an emissions limitation, including a visible emissions standard, based on the maximum degree of reduction for each **regulated** NSR pollutant ~~subject to regulation under the provisions of the CAA, which~~ **that** would be emitted from any proposed major stationary source or major modification, that the commissioner, on a case-by-case basis, taking into account energy, environmental, and economic impacts and other costs, determines is achievable for ~~such~~ **the** source or modification through application of production processes or available methods, systems, and techniques, including fuel cleaning or treatment or innovative fuel combustion techniques for control of ~~such~~ **the** pollutant. In no event shall application of best available control technology result in emissions of any pollutant that would exceed the emissions allowed by any applicable standard under 40 CFR Part 60* and 40 CFR Part 61*. If the commissioner determines that technological or economic limitations on the application of measurement methodology to a particular emissions unit would make the imposition of an emissions standard not feasible, a design, equipment, work practice, operational standard, or combination thereof may be prescribed instead to satisfy the requirements for the application of best available control technology. ~~Such~~ **The** standard shall, to the degree possible, set forth the emissions reduction achievable by implementation of ~~such~~ **the** design, equipment, work practice, or operation and shall provide for compliance by means that achieve equivalent results.

~~(i)~~ **(j)** "Building, structure, facility, or installation" means all of the pollutant-emitting activities that belong to the same industrial grouping, are located on one (1) or more contiguous or adjacent properties, and are under the control of the same person (or persons under common control) except the activities of any vessel. Pollutant-emitting activities shall be considered as part of the same industrial grouping if they belong to the same major group, for example, ~~which~~ **that** have the same first two (2) digit code, as described in the Standard Industrial Classification Manual, 1972, as amended

by the 1977 Supplement (U.S. Government Printing Office)*.

~~(j)~~ **(k)** "Clean coal technology" means any technology, including technologies applied at the precombustion, combustion, or postcombustion stage, at a new or existing facility that will achieve significant reductions in air emissions of sulfur dioxide or oxides of nitrogen associated with the utilization of coal in the generation of electricity or process steam that was not in widespread use as of November 15, 1990.

~~(k)~~ **(l)** "Clean coal technology demonstration project" means a project using funds appropriated under the heading "Department of Energy–Clean Coal Technology", up to a total amount of two billion five hundred million dollars ($2,500,000,000) for commercial demonstration of clean coal technology or similar projects funded through appropriations for U.S. EPA. The federal contribution for a qualifying project shall be at least twenty percent (20%) of the total cost of the demonstration project.

~~(l)~~ **(n)** "Commence", as applied to construction of a major stationary source or major modification, means that the owner or operator has all necessary preconstruction approvals or permits and either has:

(1) begun, or caused to begin, a continuous program of actual on-site construction of the source to be completed within a reasonable time; or

(2) entered into binding agreements or contractual obligations, which cannot be canceled or modified without substantial loss to the owner or operator, to undertake a program of actual construction of the source to be completed within a reasonable time.

~~(m)~~ **(o)** "Complete" means, in reference to an application for a permit, that the application contains all of the information necessary for processing the application. Designating an application complete for purposes of permit processing does not preclude the department from requesting or accepting any additional information.

~~(n)~~ **(p)** "Construction" means any physical change or change in the method of operation, including:

(1) fabrication;

(2) erection;

(3) installation;

(4) demolition; or

(5) modification;

of an emissions unit, that would result in a change in ~~actual~~ emissions.

(q) "Continuous emissions monitoring system" or "CEMS" means all of the equipment that may be required to meet the data acquisition and availability requirements of this rule to complete the following:

(1) Sample emissions on a continuous basis.

(2) If applicable, condition emissions.

(3) Analyze emissions on a continuous basis.

(4) Provide a record of emissions on a continuous basis.

(r) "Continuous emissions rate monitoring system" or "CERMS" means the total equipment required for the determination and recording of the pollutant mass emissions rate in terms of mass per unit of time.

(s) "Continuous parameter monitoring system" or "CPMS" means all of the equipment necessary to meet the

data acquisition and availability requirements of this rule to:

(1) monitor:

(A) process and control device operational parameters; and

(B) other information, such as gas flow rate, O_2 or CO_2 concentrations; and

(2) record the average operational parameter value on a continuous basis.

~~(o)~~ **(t)** "Electric utility steam generating unit" means any steam electric generating unit that is constructed for the purpose of supplying more than one-third (⅓) of its potential electric output capacity and more than twenty-five (25) megawatts electrical output to any utility power distribution system for sale. Any steam supplied to a steam distribution system for the purpose of providing steam to a steam-electric generator that would produce electrical energy for sale is also considered in determining the electrical energy output capacity of the affected facility.

~~(p)~~ **(u)** "Emissions unit" means any part of a stationary source that emits or would have the potential to emit any **regulated NSR** pollutant. ~~regulated under the provisions of the CAA.~~ **For purposes of this rule, there are the following two (2) types of emissions units:**

(1) A new emissions unit is any emissions unit that is, or will be, newly constructed and that has existed for less than two (2) years from the date the emissions unit first operated.

(2) An existing emissions unit is any emissions unit that does not meet the requirements in subdivision (1). A replacement unit is an existing emissions unit.

~~(q)~~ **(v)** "Federal land manager" means, with respect to any lands in the United States, the secretary of the department with authority over ~~such~~ **the** lands.

(w) "Federally enforceable" means all limitations and conditions that are enforceable by the U.S. EPA, including:

(1) those requirements developed pursuant to 40 CFR Part 60* and 40 CFR Part 61*;

(2) requirements within the state implementation plan; and

(3) any permit requirements established pursuant to 40 CFR Part 52.21* or under regulations approved pursuant to 40 CFR Part 51, Subpart I*, including operating permits issued under an EPA-approved program that is incorporated into the state implementation plan and expressly requires adherence to any permit issued under the program.

~~(r)~~ **(x)** "Fugitive emissions" means those emissions that could not reasonably pass through a stack, chimney, vent, or other functionally equivalent opening.

~~(s)~~ **(y)** "High terrain" means any area having an elevation nine hundred (900) feet or more above the base of the stack of a source.

~~(t)~~ **(z)** "Indian governing body" means the governing body of any tribe, band, or group of Indians subject to the jurisdiction of the United States and recognized by the United States as possessing power of self-government.

~~(u)~~ **(aa)** "Indian reservation" means any federally recognized reservation established by:

(1) treaty;

(2) agreement;

(3) executive order; or

(4) act of Congress.

~~(v)~~ **(bb)** "Innovative control technology" means any system of air pollution control that has not been adequately demonstrated in practice, but would have a substantial likelihood of achieving greater continuous emissions reduction than any control system in current practice or of achieving at least comparable reductions at lower cost in terms of energy, economics, or nonair quality environmental impacts.

(cc) "Lowest achievable emission rate" or "LAER" means, for any source, the more stringent rate of emissions based on the most stringent emissions limitation of the following:

(1) Contained in the state implementation plan for the class or category of stationary source unless the owner or operator of the proposed stationary source demonstrates that the limitations are not achievable.
(2) Achieved in practice by the class or category of stationary source. This limitation, when applied to a modification, means the lowest achievable emissions rate for the new or modified emissions unit within the stationary source. In no event shall the application of the lowest achievable emission rate allow a proposed new or modified stationary source to emit any pollutant in excess of the amount allowable under applicable new source standards of performance.

~~(w)~~ **(dd)** "Low terrain" means any area other than high terrain.

~~(x)~~ **(ee)** "Major modification" means any physical change in, or change in the method of operation of, a major stationary source that would result in a significant ~~net~~ emissions increase ~~of any pollutant that is being regulated under the CAA.~~ **and a significant net emissions increase of a regulated NSR pollutant from the major stationary source.** The following shall apply:

(1) Any ~~net~~ **significant** emissions increase **from any emissions units or net emissions increase at a major stationary source** that is significant for volatile organic compounds shall be considered significant for ozone.

(2) A physical change or change in the method of operation shall not include the following:

(A) Routine maintenance, repair, and replacement.

(B) Use of an alternative fuel or raw material by reason of an order under Sections 2(a) and 2(b) of the Energy Supply and Environmental Coordination Act of 1974 or by reason of a natural gas curtailment plan pursuant to the Federal Power Act.

(C) Use of an alternative fuel by reason of an order under Section 125 of the CAA.

(D) Use of an alternative fuel at a steam generating unit to the extent that the fuel is generated from municipal solid waste.

(E) Use of an alternative fuel or raw material by a source that the source:

(i) was capable of accommodating before January 6, 1975, unless ~~such~~ **the** change would be prohibited under any enforceable permit condition that was established after January 6, 1975, pursuant to:

(AA) 40 CFR **Part** 52.21*;

(BB) this rule;

(CC) 326 IAC 2-3; or

(DD) minor new source review regulations approved pursuant to 40 CFR **Part** 51.160 through 40 CFR **Part** 51.166*; or

(ii) is approved to use under any permit issued under 40 CFR **Part** 52.21* or under this rule.

(F) An increase in the hours of operation or in the production rate unless ~~such~~ **the** change would be prohibited under any enforceable permit condition that was established after January 6, 1975, pursuant to 40 CFR **Part** 52.21* or under this rule or 326 IAC 2-3.

(G) Any change in ownership at a source.

(H) The addition, replacement, or use of a pollution control project ~~as defined in subsection (dd)~~ at an existing ~~electric steam generating~~ **emissions** unit ~~unless:~~

~~(i) the commissioner and U.S. EPA determine that such addition, replacement, or use renders the unit less environmentally beneficial; or~~

~~(ii) the commissioner determines that the pollution control project would result in a significant net emissions increase that will cause or contribute to a violation of any national ambient air quality standard (NAAQS), PSD increment, or visibility limitation.~~

~~A pollution control project that is exempt under this clause shall be considered a significant source modification under 326 IAC 2-7-10.5(f)(8) or 326 IAC 2-7-10.5(f)(9).~~ **meeting the requirements of 326 IAC 2-2.3. A replacement control technology must provide more effective emission control than that of the replaced control technology to qualify for this exclusion.**

(I) The installation, operation, cessation, or removal of a temporary clean coal technology demonstration project provided that the project complies with:

(i) the state implementation plan; and

(ii) other requirements necessary to attain and maintain the national ambient air quality standards during the project and after the project is terminated.

(J) The installation or operation of a permanent clean coal technology demonstration project that constitutes

repowering provided that the project does not result in an increase in the potential to emit of any regulated pollutant emitted by the unit. This exemption shall apply on a pollutant-by-pollutant basis.

(K) The reactivation of a very clean coal-fired electric utility steam generating unit.

(3) The term shall not apply to a particular regulated NSR pollutant when the major stationary source is complying with the requirements under 326 IAC 2-2.4 for a PAL for that pollutant. Instead, the definition at 326 IAC 2-2.4-2(g) shall apply.

~~(y)~~ **(ff)** "Major source baseline date" means the following:

(1) In the case of particulate matter and sulfur dioxide, January 6, 1975.

(2) In the case of nitrogen dioxide, February 8, 1988.

~~(z)~~ **(gg)** "Major stationary source" means the following:

(1) Any of the following stationary sources of air pollutants that are located or proposed to be located in an attainment or unclassifiable area as designated in 326 IAC 1-4 and that emit or have the potential to emit one hundred (100) tons per year or more of any **regulated NSR** pollutant: ~~subject to regulation under the CAA:~~

(A) Fossil fuel-fired steam electric plants of more than two hundred fifty million (250,000,000) British thermal units per hour heat input.

(B) Coal cleaning plants (with thermal driers).

(C) Kraft pulp mills.

(D) Portland cement plants.

(E) Primary zinc smelters.

(F) Iron and steel mill plants.

(G) Primary aluminum ore reduction plants.

(H) Primary copper smelters.

(I) Municipal incinerators capable of charging more than fifty (50) tons of refuse per day.

(J) Hydrofluoric, sulfuric, and nitric acid plants.

(K) Petroleum refineries.

(L) Lime plants.

(M) Phosphate rock processing plants.

(N) Coke oven batteries.

(O) Sulfur recovery plants.

(P) Carbon black plants (furnace process).

(Q) Primary lead smelters.

(R) Fuel conversion plants.

(S) Sintering plants.

(T) Secondary metal production plants.

(U) Chemical process plants.

(V) Fossil fuel boilers (or combinations thereof) totaling more than two hundred fifty million (250,000,000) British thermal units per hour heat input.

(W) Taconite ore processing plants.

(X) Glass fiber processing plants.

(Y) Charcoal production plants.

(Z) Petroleum storage and transfer units with a total storage capacity exceeding three hundred thousand (300,000) barrels.

(2) Any stationary source with the potential to emit two hundred fifty (250) tons per year or more of ~~any air~~ **a regulated NSR** pollutant. ~~subject to regulation under the CAA:~~

(3) Any of the following stationary sources with potential emissions of five (5) tons per year or more of lead or lead compounds measured as elemental lead:

(A) Primary lead smelters.

(B) Secondary lead smelters.

(C) Primary copper smelters.

(D) Lead gasoline additive plants.

(E) Lead-acid storage battery manufacturing plants that produce two thousand (2,000) or more batteries per day.

(4) Any other stationary source with potential emissions of twenty-five (25) or more tons per year of lead or lead

compounds measured as elemental lead.

(5) Any physical change occurring at a stationary source not qualifying under subdivisions (1) through (4) if the change would by itself qualify as a major stationary source under subdivisions (1) through (4).

(6) Notwithstanding subdivisions (1) through (5), a source or modification of a source shall not be considered a major stationary source if it would qualify under subdivisions (1) through (5) only if fugitive emissions, to the extent quantifiable, are considered in calculating potential to emit of the stationary source or modification and ~~such~~ **the** source does not belong to any of the categories listed in subdivision (1) or any other stationary source category that, as of August 7, 1980, is being regulated under Section 111 or 112 of the CAA (42 U.S.C. 7411 or 42 U.S.C. 7412).

(7) A major stationary source that is major for volatile organic compounds shall be considered major for ozone.

~~(aa)~~ **(hh)** "Minor source baseline date" means the earliest date after the trigger date on which a major stationary source or major modification subject to the requirements of this rule or to 40 CFR **Part** 52.21* submits a complete application under the relevant regulations, including the following:

(1) The trigger date is the following:

(A) In the case of particulate matter and sulfur dioxide, August 7, 1977.

(B) In the case of nitrogen dioxide, February 8, 1988.

(2) The baseline date is established for each pollutant for which increments or other equivalent measures have been established if:

(A) the area in which the proposed source or modification would construct is designated as attainment or unclassifiable under 326 IAC 1-4 for the pollutant on the date of its complete application under this rule; and

(B) in the case of a major stationary source, the pollutant would be emitted in significant amounts, or, in the case of a major modification, there would be a significant net emissions increase of the pollutant.

(3) Any minor source baseline date established originally for the TSP increments shall remain in effect and shall apply for purposes of determining the amount of available PM_{10} increments, except that the commissioner may rescind a minor source baseline date where it can be shown, to the satisfaction of the commissioner, that the emissions increase from the major stationary source, or net emissions increase from the major modification, responsible for triggering that date did not result in a significant amount of PM_{10} emissions.

~~(bb)~~ **(ii)** "Necessary preconstruction approvals or permits" means those permits or approvals required under federal air quality control laws and regulations and air quality control laws and regulations that are part of the state implementation plan.

~~(cc)~~ **(jj)** "Net emissions increase", with ~~reference to a significant net emissions increase, means the tons per year amount by which the sum of the following exceeds zero (0):~~ **respect to any regulated NSR pollutant emitted by a major stationary source, means the following:**

(1) ~~Any~~ **The amount by which the sum of the following exceeds zero (0):**

(A) The increase in ~~actual~~ emissions from a particular physical change or change in the method of operation at a **stationary** source **as calculated under section 2(d) of this rule.**

~~(2)~~ **(B)** Any other increases and decreases in actual emissions at the **major stationary** source that are contemporaneous with the particular change and are otherwise creditable. ~~as follows:~~ **Baseline actual emissions for calculating increases and decreases under this clause shall be determined as provided in subsection (e), except that subsection (e)(1)(C) and (e)(2)(D) shall not apply.**

~~(A)~~ **(2)** An increase or decrease in actual emissions is contemporaneous with the increase from the particular change only if it occurs between ~~the date~~ **the following:**

~~(i)~~ **(A) The date** five (5) years before construction ~~on~~ **of** the particular change commences. ~~and~~

~~(ii)~~ **(B) The date** that the increase from the particular change occurs.

~~(B)~~ **(3)** An increase or decrease in actual emissions is creditable only if:

(A) the department has not relied on the increase or decrease in **actual emissions in** issuing a permit ~~for~~ **to** the source under **40 CFR Part 52.21* or** this rule and the permit is in effect when the increase in actual emissions from the particular change occurs; **and**

(B) the increase or decrease in emissions did not occur at a clean unit except as provided in 326 IAC 2-2.2-1(h) and 326 IAC 2-2.2-2(j).

~~(C)~~ **(4)** An increase or decrease in actual emissions of sulfur dioxide, particulate matter, or nitrogen oxides that occurs before the applicable minor source baseline date is creditable only if it is required to be considered in calculating the

amount of maximum allowable increases remaining available. ~~With respect to particulate matter, only PM_{10} emissions shall be used to evaluate the net emissions increase for PM_{10}.~~

~~(D)~~ (5) An increase in actual emissions is creditable only to the extent that a new level of actual emissions exceeds the old level.

~~(E)~~ (6) A decrease in actual emissions is creditable only to the extent that:

~~(i)~~ (A) the old level of actual emissions or the old level of allowable emissions, whichever is lower, exceeds the new level of actual emissions;

~~(ii)~~ (B) it is enforceable **as a practical matter** at and after the time that actual construction on the particular change begins; ~~and~~

~~(iii)~~ (C) it has approximately the same qualitative significance for public health and welfare as that attributed to the increase from the particular change; **and**

(D) the decrease in actual emissions did not result from the installation of add-on control technology or application of pollution prevention practices that were relied on in designating an emissions unit as a clean unit under 326 IAC 2-2.2-2 or 326 IAC 2-3.2-2. Once an emissions unit has been designated as a clean unit, the owner or operator cannot later use the emissions reduction from the air pollution control measures that the clean unit designation is based on in calculating the net emissions increase for another emissions unit. However, any new emission reductions that were not relied upon in a PCP excluded under 326 IAC 2-2.3-1 or for a clean unit designation are creditable to the extent they meet the requirements in 326 IAC 2-2.3-1(g)(4) for the PCP and 326 IAC 2-2.2-1(h) and 326 IAC 2-2.2-2(j) for a clean unit.

~~(F)~~ (7) An increase that results from the physical change at a source occurs when the emissions unit on which construction occurred becomes operational and begins to emit a particular pollutant. Any replacement unit that requires shakedown becomes operational only after a reasonable shakedown period not to exceed one hundred eighty (180) days.

(8) Subsection (b)(1) shall not apply for determining creditable increases and decreases.

(kk) "Plantwide applicability limitation" or "PAL" means an emission limitation expressed in tons per year, for a pollutant at a major stationary source, that is enforceable as a practical matter and established source-wide in accordance with this rule. For the purposes of this rule, a PAL is an actuals PAL.

(mm) "Pollution prevention" means the following:
(1) Any activity that eliminates or reduces the release of air pollutants, including fugitive emissions, and other pollutants to the environment prior to recycling, treatment, or disposal, through:
(A) process changes;
(B) product reformulation or redesign; or
(C) substitution of less polluting raw materials.
(2) The term does not include:
(A) recycling, except certain in-process recycling practices;
(B) energy recovery;
(C) treatment; or
(D) disposal.

~~(cc)~~ **(nn)** "Potential to emit" means the maximum capacity of a **stationary** source ~~or major modification~~ to emit a pollutant under its physical and operational design. Any physical or operational limitation on the capacity of the source to emit a pollutant, including air pollution control equipment and restrictions on hours of operation or on the type or amount of material combusted, stored, or processed, shall be treated as part of its design if the limitation or the effect it would have on emissions is enforceable **as a practical matter.** Secondary emissions do not count in determining the potential to emit of a **stationary** source.

(oo) "Predictive emissions monitoring system" or "PEMS" means all of the equipment necessary to, on a continuous basis:

(1) monitor:

(A) process and control device operational parameters; and

(B) other information, such as gas flow rate, O_2 or CO_2 concentrations; and

(2) calculate and record the mass emissions rate, such as pounds per hour.

(pp) "Prevention of significant deterioration program" or "PSD program" means a major source preconstruction permit program that has been approved by the U.S. EPA and incorporated into the state implementation plan to implement the requirements of 40 CFR Part 51.166 or the program in 40 CFR Part 52.21. Any permit issued under the program is a major NSR permit.

(qq) "Project" means a physical change in, or change in the method of operation of, an existing major stationary source.

(rr) "Projected actual emissions" means the following:

(1) The maximum annual rate, in tons per year, at which an existing emissions unit is projected to emit a regulated NSR pollutant in any consecutive twelve (12) month period of the five (5) years following the date the unit resumes regular operation after the project, or in any consecutive twelve (12) month period of the ten (10) years following the date the unit resumes regular operation, if the project involves increasing the emissions unit's design capacity or its potential to emit that regulated NSR pollutant and full utilization of the unit would result in a significant emissions increase or a significant net emissions increase at the major stationary source.

(2) In determining the projected actual emissions under this subsection, before beginning actual construction, the owner or operator of the major stationary source:

(A) shall:

(i) consider all relevant information, including, but not limited to:

(AA) historical operational data;

(BB) the company's own representations;

(CC) the company's expected business activity and the company's highest projections of business activity;

(DD) the company's filings with the state or federal regulatory authorities; and

(EE) compliance plans under the approved state implementation plan;

(ii) include fugitive emissions to the extent quantifiable and emissions associated with startups, shutdowns, and malfunctions to the extent they are affected by the project; and

(iii) exclude, in calculating any increase in emissions that result from the particular project, that portion of the unit's emissions following the project that an existing unit could have accommodated during the consecutive twenty-four (24) month period used to establish the baseline actual emissions under subsection (e) and that are also unrelated to the particular project, including any increased utilization due to product demand growth; or

(B) in lieu of using the method set out in clause (A), may elect to use the emissions unit's potential to emit, in tons per year, as defined under subsection (nn).

~~(ff)~~ **(ss)** "Reactivation of a very clean coal-fired electric utility steam generating unit" means any physical change or change in the method of operation associated with the commencement of commercial operations by a coal-fired utility unit after a period of discontinued operation where the unit:

(1) has not been in operation for the two (2) year period prior to the enactment of the CAA Amendments of 1990, and the emissions from ~~such~~ **the** unit continue to be carried in the department's emissions inventory at the time of enactment;

(2) was equipped prior to shutdown with a continuous system of emissions control that achieves a removal efficiency for sulfur dioxide of no less than eighty-five percent (85%) and a removal efficiency for particulates of no less than ninety-eight percent (98%);

(3) is equipped with low-NO_x burners prior to the time of commencement of operations following reactivation; and

(4) is otherwise in compliance with the requirements of the CAA.

(tt) "Reasonably available control technology" or "RACT" means devices, systems, process modifications, or other apparatus or techniques that are reasonably available taking into account:

(1) the necessity of imposing the controls in order to attain and maintain a national ambient air quality standard;

(2) the social, environmental, and economic impact of the controls; and

(3) alternative means of providing for attainment and maintenance of the standard.

(uu) "Regulated NSR pollutant" means any of the following:

(1) Any pollutant for which a national ambient air quality standard has been promulgated and any constituents or precursors for the pollutants identified by the U.S. EPA.

(2) Any pollutant that is subject to any standard promulgated under Section 111 of the CAA.

(3) Any Class I or II substance subject to a standard promulgated under or established by Title VI of the CAA.

(4) Any pollutant that otherwise is subject to regulation under the CAA, except that any or all hazardous air pollutants either listed in Section 112 of the CAA or added to the list pursuant to Section 112(b)(2) of the CAA, which have not been delisted pursuant to Section 112(b)(3) of the CAA, are not regulated NSR pollutants unless the listed hazardous air pollutant is also regulated as a constituent or precursor of a general pollutant listed under Section 108 of the CAA.

~~(gg)~~ (vv) "Repowering" means replacement of an existing coal-fired boiler with one (1) of the following clean coal technologies:

(1) Atmospheric or pressurized fluidized bed combustion.

(2) Integrated gasification combined cycle.

(3) Magnetohydrodynamics.

(4) Direct and indirect coal-fired turbines.

(5) Integrated gasification fuel cells.

(6) As determined by U.S. EPA, in consultation with the Secretary of Energy, a derivative of one (1) or more of these technologies, and any other technology capable of controlling multiple combustion emissions simultaneously with improved boiler or generation efficiency and with significantly greater waste reduction relative to the performance of technology in widespread commercial use as of November 15, 1990.

~~Repowering~~ **The term** shall also include any oil or gas-fired unit, or both, that has been awarded clean coal technology demonstration funding as of January 1, 1991, by the Department of Energy. The department shall give expedited consideration to permit applications for any source that satisfies the requirements of this subsection and is granted an extension under Section 409 of the CAA.

~~(hh) "Representative actual annual emissions" means the average rate, in tons per year, at which the source is projected to emit a pollutant for the two (2) year period after a physical change or change in the method of operation of a unit, (or a different consecutive two (2) year period within ten (10) years after that change where the department determines that such period is more representative of normal source operations), considering the effect any such change will have on increasing or decreasing the hourly emissions rate and on projected capacity utilization. In projecting future emissions, the department shall do the following:~~

~~(1) Consider all relevant information, including, but not limited to, the following:~~

~~(A) Historical operational data.~~

~~(B) The company's own representations.~~

~~(C) Filings with Indiana or federal regulatory authorities.~~

~~(D) Compliance plans under Title IV of the CAA.~~

~~(2) Exclude, in calculating any increase in emissions that results from the particular physical change or change in the method of operation at an electric utility steam generating unit, that portion of the unit's emissions following the change that could have been accommodated during the representative baseline period and is attributable to an increase in projected capacity utilization at the unit that is unrelated to the particular change, including any increased utilization due to the rate of electricity demand growth for the utility system as a whole.~~

~~(ii)~~ (ww) "Secondary emissions" means emissions that would occur as a result of the construction or operation of a major stationary source or major modification, but do not come from the major stationary source or major modification

itself. The term includes emissions from any off-site support facility that would not be constructed or increase its emissions except as a result of the construction or operation of the major stationary source or major modification. For the purpose of this rule, secondary emissions must be specific, well-defined, quantifiable, and impact the same general area as the source or modification that causes the secondary emissions. Secondary emissions do not include any emissions that come directly from a mobile source, such as emissions from:

(1) the tailpipe of a motor vehicle;

(2) a train; or

(3) a vessel.

~~(jj)~~ **(xx)** "Significant" means the following:

(1) In reference to a net emissions increase or the potential of the source to emit any of the following pollutants, a rate of emissions that would equal or exceed any of the following rates:

(A) Carbon monoxide: one hundred (100) tons per year.

(B) Nitrogen oxides: forty (40) tons per year.

(C) Sulfur dioxide: forty (40) tons per year.

(D) Particulate matter: twenty-five (25) tons per year.

(E) PM_{10}: fifteen (15) tons per year.

(F) Ozone: forty (40) tons per year of volatile organic compounds.

(G) Lead: six-tenths (0.6) ton per year.

(H) Asbestos: seven one-thousandths (0.007) ton per year.

(I) Beryllium: four ten-thousandths (0.0004) ton per year.

(J) Mercury: one-tenth (0.1) ton per year.

(K) Vinyl chloride: one (1) ton per year.

(L) Fluorides: three (3) tons per year.

(M) Sulfuric acid mist: seven (7) tons per year.

(N) Hydrogen sulfide (H_2S): ten (10) tons per year.

(O) Total reduced sulfur (including H_2S): ten (10) tons per year.

(P) Reduced sulfur compounds (including H_2S): ten (10) tons per year.

(Q) Municipal waste combustor organics (measured as total tetra- through octa-chlorinated dibenzo-p-dioxins and dibenzofurans): thirty-five ten-millionths (0.0000035) or 3.5×10^{-6} ton per year.

(R) Municipal waste combustor metals (measured as particulate matter): fifteen (15) tons per year.

(S) Municipal waste combustor acid gases (measured as sulfur dioxide and hydrogen chloride): forty (40) tons per year.

(T) Municipal solid waste landfills emissions (measured as nonmethane organic compounds): fifty (50) tons per year.

(U) Ozone-depleting substances (ODS): one hundred (100) tons per year.

(V) Any **regulated NSR** pollutant ~~subject to regulation under the CAA,~~ other than the pollutants listed in this subsection: ~~or under Section 112(b) of the CAA*.~~ any emission rate.

(2) Any emissions rate or any net emissions increase associated with a major stationary source or major modification that would be constructed within ten (10) kilometers of a Class I area and has an impact on ~~such~~ **the** area equal to or greater than one (1) microgram per cubic meter (24-hour average).

(yy) "Significant emissions increase" means, for a regulated NSR pollutant, an increase in emissions that is significant, as defined in subsection (xx), for that pollutant.

~~(kk)~~ (zz) "Stationary source" means any building, structure, facility, or installation that emits or may emit ~~any air~~ **a regulated NSR** pollutant. ~~subject to regulation under the CAA.~~ A stationary source does not include emissions resulting from an internal combustion engine used for transportation purposes or from a nonroad engine or nonroad vehicle.

~~(ll)~~ **(aaa)** "Temporary clean coal technology demonstration project" means a clean coal technology demonstration project that:

(1) is operated for a period of five (5) years or less; and

(2) complies with the state implementation plan and other requirements necessary to attain and maintain the national ambient air quality standards during the project and after the project is terminated.

*These documents are incorporated by reference. Copies may be obtained from the Government Printing Office, 732 North Capitol Street NW, Washington, D.C. 20401 or are available for review and copying at the Indiana Department of Environmental Management, Office of Air Quality, Indiana Government Center-North, Tenth Floor, 100 North Senate Avenue, Indianapolis, Indiana 46204. *(Air Pollution Control Board; 326 IAC 2-2-1; filed Mar 10, 1988, 1:20 p.m.: 11 IR 2391; filed Apr 13, 1988, 3:35 p.m.: 11 IR 3022; filed Jan 6, 1989, 3:30 p.m.: 12 IR 1102; filed Jun 14, 1989, 5:00 p.m.: 12 IR 2020; filed Nov 25, 1998, 12:13 p.m.: 22 IR 997; errata filed May 12, 1999, 11:23 a.m.: 22 IR 3105; filed Oct 23, 2000, 9:47 a.m.: 24 IR 668; filed Mar 23, 2001, 3:03 p.m.: 24 IR 2412; filed Dec 20, 2001, 4:30 p.m.: 25 IR 1557; filed Mar 9, 2004, 3:45 p.m.: 27 IR 2216; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3889)*

SECTION 3. 326 IAC 2-2-2 IS AMENDED TO READ AS FOLLOWS:

326 IAC 2-2-2 Applicability
Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-11; IC 13-15; IC 13-17

Sec. 2. **(a) The requirements of sections 3 through 5, 7, 8, 10, 14, and 15 of this rule apply to the construction of any new major stationary source or the major modification of any existing major stationary source except as this rule otherwise provides.**

~~(a)~~ **(b)** The requirements of this rule ~~shall~~ apply to **the construction of** any new major stationary source or **any project at an existing** major ~~modification, as defined in section 1 of this rule, that is being constructed or will be constructed~~ **stationary source** in an area designated as ~~of the submittal date of a complete application in accordance with 326 IAC 2-5.1,~~ as attainment or unclassifiable in 326 IAC 1-4.

~~(b) The owner or operator of a~~ **(c) No new** major stationary source or major modification **to which the requirements of sections 3 through 5, 7, 8(a), 10, 14, and 15 apply** shall ~~not~~ begin actual construction ~~unless~~ **without a permit that states that the major stationary source or major modification will meet** the requirements ~~in~~ of sections 3 through ~~8~~; 5, 7, 8(a), 10, ~~and~~ 14, ~~through 16~~ and 15 of this rule. ~~have been met and a permit has been issued under this rule.~~

(d) The requirements of this rule will be applied in accordance with the following:
(1) Except as otherwise provided in subsections (e) and (f), and consistent with the definition of major modification contained in section 1(ee) of this rule, a project is a major modification for a regulated NSR pollutant if it causes both a significant emissions increase and a significant net emissions increase. The project is not a major modification if it does not cause a significant emissions increase. If the project causes a significant emissions increase, then the project is a major modification only if it also results in a significant net emissions increase.
(2) Prior to beginning actual construction, the procedure for calculating if a significant emissions increase will occur depends upon the type of emissions units being modified as provided in subdivisions (3) through (6). The procedure for calculating, before beginning actual construction, if a significant net emissions increase will occur at the major stationary source is contained in section 1(jj) of this rule. Regardless of any preconstruction projections, a major modification results if the project causes a significant emissions increase and a significant net emissions increase.
(3) For an actual-to-projected-actual applicability test for projects that only involve existing emissions units, a significant emissions increase of a regulated NSR pollutant is projected to occur if the sum of the difference between the projected actual emissions and the baseline actual emissions for each existing emissions unit equals or exceeds the significant amount for that pollutant.
(4) For an actual-to-potential applicability test for projects that only involve construction of new emissions units, a significant emissions increase of a regulated NSR pollutant is projected to occur if the sum of the difference between the potential to emit from each new emissions unit following completion of the project and the baseline actual emissions of these units before the project equals or exceeds the significant amount for that pollutant.

(6) For projects that involve a combination of emission units using the tests in subdivisions (3) through (5),

a significant emissions increase of a regulated NSR pollutant is projected to occur if the sum of the emissions increases for each emissions unit, using the method specified in subdivisions (3) through (5), as applicable, with respect to each emissions unit, for each type of emissions unit equals or exceeds the significant amount for that pollutant.

(e) For any major stationary source for which a PAL has been established for a regulated NSR pollutant, the major stationary source shall comply with the requirements under 326 IAC 2-2.4.

~~(c)~~ **(g)** Sources that are located in or proposed to be located in an area designated as nonattainment ~~pursuant to~~ **under** 326 IAC 1-4 for a pollutant shall be exempt from the requirements of this rule for that particular pollutant **and subject to 326 IAC 2-3.**

~~(d)~~ **(h)** A source or modification of a source that **is or** would be a nonprofit health or nonprofit educational institution shall be exempt from the requirements of sections 3, 4, and 7 of this rule.

~~(e) The requirements of sections 3, 4, 5, 7, 8, 10, 14, and 15 of this rule shall apply to any major stationary source and any major modification with respect to each pollutant subject to regulation under the CAA that it would emit, except as otherwise provided in this rule.~~

~~(f)~~ **(i)** The requirements of sections 3 ~~4,~~ **through** 5, 7, 8, 10, 14, and 15 of this rule do not apply to a particular major stationary source or major modification if the source or modification is a portable stationary source that has previously received a permit under 326 IAC 2-5.1-3 or 326 IAC 2-7 and the permit contains conditions from 40 CFR Part 52.21* or this rule if:

(1) the source proposes to relocate and emissions of the source at the new location would be temporary;

(2) the emissions from the source would not exceed its allowable emissions;

(3) emissions from the source would impact no Class I area and no area where an applicable increment is known to be violated; and

(4) ten (10) days' advance notice is given to the department prior to the relocation identifying the proposed new location and probable duration of the operation at the new location.

*This document is incorporated by reference. Copies may be obtained from the Government Printing Office, 732 North Capitol Street NW, Washington, D.C. 20401 or are available for review and copying at the Indiana Department of Environmental Management, Office of Air Quality, Indiana Government Center-North, Tenth Floor, 100 North Senate Avenue, Indianapolis, Indiana 46204. *(Air Pollution Control Board; 326 IAC 2-2-2; filed Mar 10, 1988, 1:20 p.m.: 11 IR 2395; filed Jan 6, 1989, 3:30 p.m.: 12 IR 1098; filed Nov 25, 1998, 12:13 p.m.: 22 IR 1001; errata filed May 12, 1999, 11:23 a.m.: 22 IR 3105; filed Mar 23, 2001, 3:03 p.m.: 24 IR 2419; filed Dec 20, 2001, 4:30 p.m.: 25 IR 1564; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3899)*

SECTION 4. 326 IAC 2-2-3 IS AMENDED TO READ AS FOLLOWS:

326 IAC 2-2-3 Control technology review; requirements
Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-11; IC 13-15; IC 13-17

Sec. 3. Any owner or operator of a major stationary source or major modification shall comply with the following requirements:

(1) A major stationary source or major modification shall meet each applicable emissions limitation under the state implementation plan and each applicable emissions standard and standard of performance under 40 CFR Part 60* and 40 CFR Part 61*.

(2) A new, major stationary source shall apply best available control technology for each **regulated NSR** pollutant ~~subject to regulation under the provisions of the CAA~~ for which the source has the potential to emit in significant amounts as defined in section 1 of this rule.

(3) A major modification shall apply best available control technology for each **regulated NSR** pollutant ~~subject to regulation under the provisions of the CAA~~ for which the modification would result in a significant net emissions increase at the source. This requirement applies to each proposed emissions unit at which a net emissions increase of the pollutant would occur as a result of a physical change or change in the method of operation in the unit.
(4) For phased construction projects, the determination of best available control technology shall be reviewed and modified as appropriate at the latest reasonable time, which occurs no later than eighteen (18) months prior to commencement of construction of each independent phase of the project. At ~~such~~ **this** time, the owner or operator of the applicable source may be required to demonstrate the adequacy of any previous determination of best available control technology for that source.

*These documents are incorporated by reference. Copies may be obtained from the Government Printing Office, 732 North Capitol Street NW, Washington, D.C. 20401 or are available for review and copying at the Indiana Department of Environmental Management, Office of Air Quality, Indiana Government Center-North, Tenth Floor, 100 North Senate Avenue, Indianapolis, Indiana 46204. *(Air Pollution Control Board; 326 IAC 2-2-3; filed Mar 10, 1988, 1:20 p.m.: 11 IR 2395; filed Mar 23, 2001, 3:03 p.m.: 24 IR 2419; filed Dec 20, 2001, 4:30 p.m.: 25 IR 1564; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3901)*

SECTION 5. 326 IAC 2-2-4 IS AMENDED TO READ AS FOLLOWS:

326 IAC 2-2-4 Air quality analysis; requirements
Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-15; IC 13-17

Sec. 4. (a) Any application for a permit under the provisions of this rule **or for a clean unit designation under 326 IAC 2-2.2-2** shall contain an analysis of ambient air quality in the area that the major stationary source, ~~or~~ major modification, **or clean unit** would affect for each of the following pollutants:
(1) For a source, each **regulated NSR** pollutant ~~regulated under the provisions of the CAA~~ that the source would have the potential to emit in a significant amount.
(2) For a modification, each **regulated NSR** pollutant ~~regulated under the provision of the CAA~~ for which the modification would result in a significant net emissions increase.
(3) For a clean unit designation, each regulated NSR pollutant emitted by the unit for which the owner or operator requests the department to designate the unit as a clean unit.

(b) Exemptions are as follows:
(1) The requirements of this section shall not apply to a major stationary source or major modification with respect to a particular pollutant if the allowable emissions of that pollutant from the source or the net emissions increase of that pollutant from the modification would:
(A) impact no Class I area and no area where an applicable increment is known to be violated; and
(B) be temporary.
(2) A source, ~~or~~ modification, **or clean unit designation** shall be exempt from the requirements of this section with respect to monitoring for a particular pollutant if **either of the following apply:**
(A) The emissions increase of the pollutant from a new source, ~~or~~ the net emissions increase of the pollutant from a modification, **or the allowable emission rate on which the clean unit designation is based,** would cause, in any area, air quality impacts less than:
(i) Carbon monoxide: 575 $\mu g/m^3$, 8-hour average.
(ii) Nitrogen dioxide: 14 $\mu g/m^3$, annual average.
(iii) PM_{10}: 10 $\mu g/m^3$, 24-hour average.
(iv) Sulfur dioxide: 13 $\mu g/m^3$, 24-hour average.
(v) Ozone: No de minimis air quality level is provided for ozone; however, any net increase of one hundred (100) tons per year or more of volatile organic compounds subject to PSD would be required to provide ozone ambient air quality data.
(vi) Lead: 0.1 $\mu g/m^3$, 3-month average.
(vii) Mercury: 0.25 $\mu g/m^3$, 24-hour average.
(viii) Beryllium: 0.001 $\mu g/m^3$, 24-hour average.

(ix) Fluorides: 0.25 $\mu g/m^3$, 24-hour average.
(x) Vinyl chloride: 15 $\mu g/m^3$, 24-hour average.
(xi) Total reduced sulfur: 10 mg/m^3, 1-hour average.
(xii) Hydrogen sulfide: 0.2 $\mu g/m^3$, 1-hour average.
(xiii) Reduced sulfur compounds: 10 $\mu g/m^3$, 1-hour average. ~~or~~

(B) The concentrations of the pollutant in the area ~~that~~ **affected by** the source, ~~or~~ modification, ~~would affect~~ **or clean unit designation** are less than the concentrations listed in clause (A) or the pollutant is not listed in clause (A).

(c) All monitoring required by this section shall be done in accordance with the following provisions:
(1) With respect to any pollutant for which no ambient air quality standard designated in 326 IAC 1-3 exists, the analysis shall contain such air quality monitoring data as the commissioner determines is necessary to assess ambient air quality for that pollutant in any area that the emissions of that pollutant would affect.
(2) With respect to any pollutant (other than nonmethane hydrocarbons) for which an ambient air quality standard as designated in 326 IAC 1-3 does exist, the analysis shall contain continuous air quality monitoring data gathered for the purpose of determining whether emissions of that pollutant would cause or contribute to a violation of the standard or any maximum allowable increase.
(3) In general, the continuous air quality monitoring data that is required shall have been gathered over a period of at least one (1) year preceding receipt of the application, except that, if the commissioner determines that a complete and adequate analysis can be accomplished with monitoring data gathered over a period shorter than one (1) year (but not less than four (4) months), the data that is required shall have been gathered over at least that shorter period.
(4) The owner or operator of the proposed major stationary source or major modification of volatile organic compounds who satisfies all conditions of 40 CFR Part 51, Appendix S, Section IV* may provide postapproval monitoring data for ozone in lieu of providing preconstruction data as required under this subsection.
(5) The owner or operator of a major stationary source or major modification shall, after construction of the source or modification, conduct such ambient monitoring as the commissioner determines is necessary to determine the effect of the emissions ~~which~~ **that** the source or modification may have, or are having, on air quality in any area.
(6) The owner or operator of a major stationary source or major modification shall comply with the requirements of 40 CFR Part 58, Appendix B* during operation of monitoring stations for purposes of complying with this section.
(7) All air quality monitoring shall be done in accordance with state and federal monitoring procedures as set forth in the following references: May 1987 U.S. EPA, "Ambient Air Monitoring Guidelines for Prevention of Significant Deterioration" (EPA 45014-87-007)* and the May 1999, "Indiana Department of Environmental Management, Office of Air Management Quality Assurance Manual*".

*These documents are incorporated by reference. Copies may be obtained from the Government Printing Office, 732 North Capitol Street NW, Washington, D.C. 20401 or are available for review and copying at the Indiana Department of Environmental Management, Office of Air Quality, Indiana Government Center-North, Tenth Floor, 100 North Senate Avenue, Indianapolis, Indiana 46204. *(Air Pollution Control Board; 326 IAC 2-2-4; filed Mar 10, 1988, 1:20 p.m.: 11 IR 2396; filed Apr 13, 1988, 3:35 p.m.: 11 IR 3026; filed Jan 6, 1989, 3:30 p.m.: 12 IR 1099; filed Mar 23, 2001, 3:03 p.m.: 24 IR 2420; filed Dec 20, 2001, 4:30 p.m.: 25 IR 1565; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3901)*

SECTION 6. 326 IAC 2-2-5 IS AMENDED TO READ AS FOLLOWS:

326 IAC 2-2-5 Air quality impact; requirements
Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-15; IC 13-17

Sec. 5. (a) The owner or operator of the proposed major stationary source or major modification shall demonstrate that allowable emissions increases in conjunction with all other applicable emissions increases or reductions (including secondary emissions) will not cause or contribute to air pollution in violation of **any:**
(1) ~~any~~ ambient air quality standard, as designated in 326 IAC 1-3, in any air quality control region; or
(2) ~~any~~ applicable maximum allowable increase over the baseline concentration in any area **as described in section 6 of this rule.**

~~(b)~~ (c) The requirements of this section shall not apply to a major stationary source or major modification with respect to a particular pollutant if the allowable emissions of that pollutant from the new source or the net emissions increase of that pollutant from the modification would:

(1) impact no Class I area and no area where an applicable increment is known to be violated; and

(2) be temporary.

~~(c)~~ (d) The requirements of this section do not apply to a major stationary source or major modification with respect to total suspended particulate matter.

~~(d)~~ (e) Air quality impact analysis required by this section shall be conducted in accordance with the following provisions:

(1) Any estimates of ambient air concentrations used in the demonstration processes required by this section shall be based upon the applicable air quality models, data bases, and other requirements specified in 40 CFR Part 51, Appendix W (Requirements for Preparation, Adoption, and Submittal of Implementation Plans, Guideline on Air Quality Models)*.

(2) Where an air quality impact model specified in the guidelines cited in subdivision (1) is inappropriate, a model may be modified or another model substituted provided that all applicable guidelines are satisfied.

(3) Modifications or substitution of any model may only be done in accordance with guideline documents and with written approval from U.S. EPA and shall be subject to public comment procedures set forth in 326 IAC 2-1.1-6.

*This document is incorporated by reference. Copies may be obtained from the Government Printing Office, 732 North Capitol Street NW, Washington, D.C. 20401 or are available for review and copying at the Indiana Department of Environmental Management, Office of Air Quality, Indiana Government Center-North, Tenth Floor, 100 North Senate Avenue, Indianapolis, Indiana 46204. *(Air Pollution Control Board; 326 IAC 2-2-5; filed Mar 10, 1988, 1:20 p.m.: 11 IR 2398; filed Jun 14, 1989, 5:00 p.m.: 12 IR 2024; filed Nov 25, 1998, 12:13 p.m.: 22 IR 1001; errata filed May 12, 1999, 11:23 a.m.: 22 IR 3105; filed Mar 23, 2001, 3:03 p.m.: 24 IR 2422; filed Dec 20, 2001, 4:30 p.m.: 25 IR 1566; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3902)*

SECTION 7. 326 IAC 2-2-6, AS AMENDED AT 27 IR 2222, SECTION 2, IS AMENDED TO READ AS FOLLOWS:

326 IAC 2-2-6 Increment consumption; requirements

Authority: IC 13-14-8; IC 13-17-3-4

Affected: IC 13-12

Sec. 6. (a) Any demonstration under section 5 of this rule ~~should~~ **shall** demonstrate that increased emissions caused by the proposed major stationary source or major modification will not exceed eighty percent (80%) of the available maximum allowable increases (MAI) over the baseline concentrations for sulfur dioxide, particulate matter, and nitrogen dioxide indicated in subsection (b)(1). Available maximum allowable increases are determined by adjusting the MAI to include impacts from actual emissions:

(1) from any major stationary source or major modification on which construction commenced after the major source baseline date; and

(2) increases and decreases at any source occurring after the minor source baseline date.

On a case-by-case basis, a source may petition the commissioner to use in excess of this eighty percent (80%). The commissioner may authorize such use provided the source adequately demonstrates the need for the same.

(b) Increment consumption shall be in accordance with the following:

(1) The following allowable increments reflect the PSD increments for a Class II area (as defined in the CAA).

Indiana has no Class I or Class III areas; however, should some areas of the state be classified as Class I or III, the PSD increments pursuant to 40 CFR Part 52.21* **to which it** must be adhered. ~~to:~~ New permits issued after January 1, 1995, shall use PM_{10} as the indicator for particulate matter. The allowable increments are as follows:

Maximum Allowable Increments

Pollutants	Allowable Increments (Micrograms per Cubic Meter, $\mu g/m^3$ Limits)
(A) Particulate matter:	
(PM_{10}):	
Annual arithmetic mean	17
24-hour maximum	30
(B) Sulfur dioxide:	
Annual arithmetic mean	20
24-hour maximum	91
3-hour maximum	512
(C) Nitrogen dioxide:	
Annual arithmetic mean	25

(2) For any period other than the annual period, the applicable maximum allowable increase may be exceeded during one (1) such period per year at any one (1) location.

(3) When an applicant proposes to construct a major stationary source or major modification in an area designated as attainment or unclassified and the increments listed in subdivision (1) have been consumed, the increased emissions from the source or modification may be permitted to be offset by reducing emissions in the affected areas by an equal amount of the pollutant for which the area was designated as attainment or unclassified.

(4) The following pollutant concentrations shall be excluded when determining compliance with a maximum allowable increase:

(A) Concentrations attributable to the increase in emissions from sources that have converted from the use of petroleum products or natural gas, or both, by reason of an order in effect under Sections 2(a) and 2(b) of the Energy Supply and Environmental Coordination Act of 1974 over the emissions from such sources before the effective date of such an order.

(B) Concentrations attributable to the increase in emissions from sources that have converted from using natural gas by reason of a natural gas curtailment plan in effect pursuant to the Federal Power Act over the emissions from such sources before the effective date of such plan.

(C) Concentrations of particulate matter attributable to the increase in emissions from construction or other temporary emission-related activities of new or modified sources.

(D) Concentrations attributable to the temporary increase in emissions of sulfur dioxide, particulate matter, or nitrogen oxides from stationary sources that are affected by state implementation plan revisions approved by U.S. EPA are excluded provided the following criteria is met:

(i) Such exclusion shall not exceed two (2) years in duration unless a longer time is approved by the commissioner and the U.S. EPA.

(ii) Such exclusion is not renewable.

(iii) Such exclusion shall allow no emissions increase that would impact a Class I area or an area where an applicable increment is known to be violated, or cause or contribute to a violation of an ambient air quality standard as designated in 326 IAC 1-3.

(iv) An emission limitation shall be in effect at the end of the time period specified in accordance with item (i) that will ensure that the emissions levels will not exceed those levels occurring from such source before the exclusion was granted.

(5) No exclusion of such a concentration under subdivision (4)(A) through (4)(B) shall apply more than five (5) years after the date the exclusion is granted under this rule. If both such order and plan are applicable, no such exclusion shall apply more than five (5) years after the latter of such effective dates.

*This document is incorporated by reference. Copies may be obtained from the Government Printing Office, 732 North Capitol Street NW, Washington, D.C. 20401 or are available for review and copying at the Indiana Department of Environmental Management, Office of Air Quality, Indiana Government Center-North, Tenth Floor, 100 North Senate Avenue, Indianapolis, Indiana 46204. *(Air Pollution Control Board; 326 IAC 2-2-6; filed Mar 10, 1988, 1:20 p.m.: 11 IR 2398; filed Jun 14, 1989, 5:00 p.m.: 12 IR 2025; filed Oct 3, 1995, 3:00 p.m.: 19 IR 185; filed Mar 23,*

2001, 3:03 p.m.: 24 IR 2422; filed Dec 20, 2001, 4:30 p.m.: 25 IR 1567; filed Mar 9, 2004, 3:45 p.m.: 27 IR 2222; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3903)

SECTION 8. 326 IAC 2-2-7 IS AMENDED TO READ AS FOLLOWS:

SECTION 9. 326 IAC 2-2-8 IS AMENDED TO READ AS FOLLOWS:

326 IAC 2-2-8 Source obligation
Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-15; IC 13-17

Sec. 8. (a) The following shall apply to any owner or operator who proposes to construct, constructs, or operates a major stationary source or major modification subject to this rule:

(1) Approval to construct, ~~pursuant to~~ **under** section 2(b) of this rule, shall become invalid if construction is not commenced within eighteen (18) months after receipt of ~~such~~ **the** approval, if construction is discontinued for a period of eighteen (18) months or more, or if construction is not completed within a reasonable time. The commissioner may extend the eighteen (18) month period upon a satisfactory showing that an extension is justified. This provision does not apply to the time period between construction of the approved phases of a phased construction project; each phase must commence construction within eighteen (18) months of the projected and approved commencement date.

(2) Approval for construction shall not relieve any owner or operator of the responsibility to comply fully with applicable provisions of the state implementation plan and any other requirements under local, state, or federal law.

(3) At ~~such~~ **the** time ~~as~~ a particular source or modification becomes a major stationary source or major modification solely by virtue of a relaxation in any enforceable limitation that was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of this rule shall apply to the source or modification as though construction had not yet commenced on the source or modification.

(b) The following provisions apply to projects at an existing emissions unit at a major stationary source, other than projects at a clean unit or at a source with a PAL, in circumstances where there is a reasonable possibility that a project that is not a part of a major modification may result in a significant emissions increase and the owner or operator elects to use the method specified in section 1(rr)(2)(A) of this rule for calculating projected actual emissions:

(1) Before beginning actual construction of the project, the owner or operator shall document and maintain

a record of the following information:

(A) A description of the project.

(B) Identification of any emissions unit whose emissions of a regulated NSR pollutant could be affected by the project.

(C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:

(i) the baseline actual emissions;

(ii) the projected actual emissions;

(iii) the amount of emissions excluded under section 1(rr)(2)(A)(iii) of this rule; and

(iv) an explanation for why the amount was excluded, and any netting calculations, if applicable.

(2) If the emissions unit is an existing electric utility steam generating unit, before beginning actual construction, the owner or operator shall provide a copy of the information set out in subdivision (1) to the department. Nothing in this subdivision shall be construed to require the owner or operator of the unit to obtain any determination from the department before beginning actual construction.

(3) The owner or operator shall:

(A) monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any emissions unit identified in subdivision (1)(B); and

(B) calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

(4) If the unit is an existing electric utility steam generating unit, the owner or operator shall submit a report to the department within sixty (60) days after the end of each year during which records must be generated under subdivision (3) setting out the unit's annual emissions during the calendar year that preceded submission of the report.

(5) If the unit is an existing unit other than an electric utility steam generating unit, the owner or operator shall submit a report to the department if the annual emissions, in tons per year, from the project identified in subdivision (1) exceed the baseline actual emissions, as documented and maintained under subdivision (1)(C), by a significant amount, as defined in section 1(xx) of this rule, for that regulated NSR pollutant and if the emissions differ from the preconstruction projection as documented and maintained under subdivision (1)(C). The report shall be submitted to the department within sixty (60) days after the end of the year. The report shall contain the following:

(A) The name, address, and telephone number of the major stationary source.

(B) The annual emissions as calculated under subdivision (3).

(C) The emissions calculated under the actual-to-projected actual test stated in section 2(d)(3) of this rule.

(D) Any other information that the owner or operator wishes to include in the report, such as an explanation as to why the emissions differ from the preconstruction projection.

(c) The owner or operator of the source shall make the information required to be documented and maintained under subsection (b) available for review upon a request for inspection by the department. The general public may request this information from the department under 326 IAC 17.1. *(Air Pollution Control Board; 326 IAC 2-2-8; filed Mar 10, 1988, 1:20 p.m.: 11 IR 2400; filed Mar 23, 2001, 3:03 p.m.: 24 IR 2424; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3904)*

SECTION 13. 326 IAC 2-2.4 IS ADDED TO READ AS FOLLOWS:

Rule 2.4. Actuals Plantwide Applicability Limitations in Attainment Areas

326 IAC 2-2.4-1 Applicability
Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-15; IC 13-17

Sec. 1. (a) This rule governs actuals plantwide applicability limitations (PAL). A source that is subject to P.L.231-2003, SECTION 6 shall comply with the requirements of 326 IAC 2-2.6.

(b) The department may approve the use of an actuals PAL for any existing major stationary source if the PAL meets the requirements in this rule.

(c) Any physical change in or change in the method of operation of a major stationary source that maintains its total source-wide emissions below the PAL level, that meets the requirements in this rule, and that complies with the PAL permit:
(1) is not a major modification for the PAL pollutant;
(2) does not have to be approved through 326 IAC 2-2; and
(3) is not subject to 326 IAC 2-2-8(a)(3).

(d) Except as provided under subsection (c)(3), a major stationary source shall continue to comply with all applicable federal or state requirements, emission limitations, and work practice requirements that were established prior to the effective date of the PAL. *(Air Pollution Control Board; 326 IAC 2-2.4-1; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3911)*

326 IAC 2-2.4-2 Definitions
Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-15; IC 13-17

Sec. 2. (a) The definitions in this section apply throughout this rule. A term that is not defined in this section shall have the meaning set forth in 326 IAC 2-2-1 or in the CAA.

(b) "Actuals PAL", for a major stationary source, means a PAL based on the baseline actual emissions of all emissions units at the source that emit or have the potential to emit the PAL pollutant.

(c) "Allowable emissions", for the purposes of this rule, means the following:
(1) The emissions rate of a stationary source calculated using the maximum rated capacity of the source unless the source is subject to federally enforceable limits that restrict the operating rate or hours of operation, or both, and the most stringent of the:
(A) applicable standards as set forth in 40 CFR Part 60* and 40 CFR Part 61*;
(B) state implementation plan emissions limitation, including those with a future compliance date; or
(C) emissions rate specified as a federally enforceable permit condition, including those with a future

compliance date.

(2) The allowable emissions for any emissions unit shall be calculated considering any emission limitations that are enforceable as a practical matter on the emissions unit's potential to emit.

(3) An emissions unit's potential to emit shall be determined using the definition in 326 IAC 2-2-1.

(d) "Major emissions unit" means any emissions unit that emits or has the potential to emit one hundred (100) tons per year or more of the PAL pollutant in an attainment area.

(e) "PAL effective date" generally means the date of issuance of the PAL permit. However, the PAL effective date for an increased PAL under section 11 of this rule is the date any emissions unit that is part of the PAL major modification becomes operational and begins to emit the PAL pollutant.

(f) "PAL effective period" means the period beginning with the PAL effective date and ending ten (10) years later.

(g) "PAL major modification" means, notwithstanding the definitions for major modification and net emissions increase in 326 IAC 2-2-1, any physical change in or change in the method of operation of the PAL source that causes it to emit the PAL pollutant at a level equal to or greater than the PAL.

(h) "PAL permit" means the permit issued by the department that contains PAL provisions for a major stationary source.

(i) "PAL pollutant" means the pollutant for which a PAL is established at a major stationary source.

(j) "Plantwide applicability limitation" or "PAL" means an emission limitation expressed in tons per year, for a pollutant at a major stationary source, that is enforceable as a practical matter and established source-wide in accordance with this rule. For the purposes of this rule, a PAL is an actuals PAL.

(k) "Significant emissions unit" means an emissions unit that emits or has the potential to emit a PAL pollutant in an amount that is equal to or greater than the significant level as defined in 326 IAC 2-2-1(xx) or in the CAA, whichever is lower, for that PAL pollutant, but less than the amount that would qualify the unit as a major emissions unit as defined in subsection (d).

(l) "Small emissions unit" means an emissions unit that emits or has the potential to emit the PAL pollutant in an amount less than the significant level for that PAL pollutant as defined in 326 IAC 2-2-1(xx) or in the CAA, whichever is lower.

***These documents are incorporated by reference. Copies may be obtained from the Government Printing Office, 732 North Capitol Street NW, Washington, D.C. 20401 or are available for review and copying at the Indiana Department of Environmental Management, Office of Air Quality, Indiana Government Center-North, Tenth Floor, 100 North Senate Avenue, Indianapolis, Indiana 46204.** *(Air Pollution Control Board; 326 IAC 2-2.4-2; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3912)*

326 IAC 2-2.4-3 Permit application requirements

Authority: IC 13-14-8; IC 13-17-3

Affected: IC 13-15; IC 13-17

Sec. 3. As part of a permit application requesting a PAL, the owner or operator of a major stationary source shall submit the following information to the department for approval:

(1) A list of all emissions units at the source designated as small, significant, or major based on their potential to emit. In addition, the owner or operator of the source shall indicate which, if any, federal or state applicable requirements, emission limitations, or work practices apply to each unit.

(2) Calculations of the baseline actual emissions with supporting documentation. Baseline actual emissions are to include emissions associated not only with operation of the unit, but also emissions associated with startup,

shutdown, and malfunction.

(3) The calculation procedures that the major stationary source owner or operator proposes to use to convert the monitoring system data to monthly emissions and annual emissions based on a twelve (12) month rolling total for each month as required by section 13(a) of this rule.

(Air Pollution Control Board; 326 IAC 2-2.4-3; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3912)

326 IAC 2-2.4-4 General requirements for establishing PALs

Authority: IC 13-14-8; IC 13-17-3

Affected: IC 13-15; IC 13-17

Sec. 4. (a) The department may establish a PAL at a major stationary source provided that, at a minimum, the following requirements are met:

(1) The PAL shall impose an annual emission limitation in tons per year, which is enforceable as a practical matter, for the entire major stationary source. For each month during the PAL effective period after the first twelve (12) months of establishing a PAL, the major stationary source owner or operator shall show that the sum of the monthly emissions from each emissions unit under the PAL for the previous twelve (12) consecutive months is less than the PAL, a twelve (12) month average, rolled monthly. For each month during the first eleven (11) months from the PAL effective date, the major stationary source owner or operator shall show that the sum of the preceding monthly emissions from the PAL effective date for each emissions unit under the PAL is less than the PAL.

(2) The PAL shall be established in a PAL permit that meets the public participation requirements in section 5 of this rule.

(3) The PAL permit shall contain all the requirements of section 7 of this rule.

(4) The PAL shall include fugitive emissions, to the extent quantifiable, from all emissions units that emit or have the potential to emit the PAL pollutant at the major stationary source.

(5) Each PAL shall regulate emissions of only one (1) regulated NSR pollutant.

(6) Each PAL shall have a PAL effective period of ten (10) years.

(7) The owner or operator of the major stationary source with a PAL shall comply with the monitoring, record keeping, and reporting requirements provided in sections 12 through 14 of this rule for each emissions unit under the PAL through the PAL effective period.

(b) At no time during or after the PAL effective period are emissions reductions of a PAL pollutant that occur during the PAL effective period creditable as decreases for purposes of offsets under 326 IAC 2-3-3 unless the level of the PAL is reduced by the amount of the emissions reductions and the reductions would be creditable in the absence of the PAL. *(Air Pollution Control Board; 326 IAC 2-2.4-4; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3913)*

326 IAC 2-2.4-5 Public participation requirements for PALs

Authority: IC 13-14-8; IC 13-17-3

Affected: IC 13-15; IC 13-17

Sec. 5. PALs for existing major stationary sources shall be:

(1) established;

(2) renewed;

(3) increased;

(4) terminated; or

(5) revoked;

through 326 IAC 2-7-17. This includes the requirement that the department provide the public with notice of the proposed approval of a PAL permit and at least a thirty (30) day period for submittal of public comment. The department must address all material comments before taking final action on the permit. *(Air Pollution Control Board; 326 IAC 2-2.4-5; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3913)*

326 IAC 2-2.4-6 Establishing a 10 year actuals PAL level

Authority: IC 13-14-8; IC 13-17-3

Affected: IC 13-15; IC 13-17

Sec. 6. (a) The actuals PAL level for a major stationary source shall be established as the sum of the baseline actual emissions of the PAL pollutant for each emissions unit at the source plus an amount equal to the applicable significant level for the PAL pollutant under 326 IAC 2-2-1(xx) or under the CAA, whichever is lower.

(b) For establishing the actuals PAL level for a PAL pollutant, only one (1) consecutive twenty-four (24) month period shall be used to determine the baseline actual emissions in accordance with 326 IAC 2-2-1(e) for all existing emissions units. A different consecutive twenty-four (24) month period may be used for each different PAL pollutant.

(c) Emissions associated with units that were permanently shutdown after this twenty-four (24) month period must be subtracted from the PAL level.

(d) Emissions from units, except modifications to existing units, on which actual construction began after the twenty-four (24) month period must be added to the PAL level in an amount equal to the potential to emit of the units.

(e) The department shall specify a reduced PAL level, in tons per year, in the PAL permit to become effective on the future compliance date of any applicable federal or state regulatory requirement that the department is aware of prior to issuance of the PAL permit. *(Air Pollution Control Board; 326 IAC 2-2.4-6; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3913)*

326 IAC 2-2.4-7 Contents of the PAL permit
Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-15; IC 13-17

Sec. 7. The PAL permit must contain, at a minimum, the following information:
(1) The PAL pollutant and the applicable source-wide emission limitation in tons per year.
(2) The PAL permit effective date and the expiration date of the PAL.
(3) Specification in the PAL permit that if a major stationary source owner or operator applies to renew a PAL in accordance with section 10 of this rule before the end of the PAL effective period, then the PAL shall not expire at the end of the PAL effective period. It shall remain in effect until a revised PAL permit is issued by the department.
(4) A requirement that emission calculations for compliance purposes include emissions from startups, shutdowns, and malfunctions.
(5) A requirement that, once the PAL expires, the major stationary source is subject to the requirements of section 9 of this rule.
(6) The calculation procedures that the major stationary source owner or operator shall use to convert the monitoring system data to monthly emissions and annual emissions based on a twelve (12) month rolling total as required by section 13(a) of this rule.
(7) A requirement that the major stationary source owner or operator monitor all emissions units in accordance with section 12 of this rule.
(8) A requirement to retain the records required under section 13 of this rule on site. The records may be retained in an electronic format.
(9) A requirement to submit the reports required under section 14 of this rule by the required deadlines.
(10) Any other requirements that the department deems necessary to implement and enforce the PAL.
(Air Pollution Control Board; 326 IAC 2-2.4-7; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3914)

326 IAC 2-2.4-8 PAL effective period and reopening of the PAL permit
Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-15; IC 13-17

Sec. 8. (a) The department shall specify a PAL effective period of ten (10) years.

(b) For reopening of the PAL permit, the following requirements must be met:

(1) During the PAL effective period, the department shall reopen the PAL permit to:

(A) correct typographical or calculation errors made in setting the PAL or reflect a more accurate determination of emissions used to establish the PAL;

(B) reduce the PAL if the owner or operator of the major stationary source creates creditable emissions reductions for use as offsets under 326 IAC 2-3-3; or

(C) revise the PAL to reflect an increase in the PAL as provided under section 11 of this rule.

(2) The department has discretion to reopen the PAL permit to reduce the PAL as follows:

(A) To reflect newly applicable federal requirements with compliance dates after the PAL effective date.

(B) Consistent with any other requirement that is enforceable as a practical matter and that the state may impose on the major stationary source under the state implementation plan.

(C) If the department determines that a reduction is necessary to avoid causing or contributing to a NAAQS or PSD increment violation, or to an adverse impact on an air quality related value that has been identified for a federal Class I area by a federal land manager and for which information is available to the general public.

(3) Except for the permit reopening in subdivision (1)(A) for the correction of typographical or calculation errors that do not increase the PAL level, all other reopenings shall be conducted in accordance with the public participation requirements of section 5 of this rule.

(Air Pollution Control Board; 326 IAC 2-2.4-8; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3914)

326 IAC 2-2.4-9 Expiration of a PAL

Authority: IC 13-14-8; IC 13-17-3

Affected: IC 13-15; IC 13-17

Sec. 9. (a) Any PAL that is not renewed in accordance with the procedures in section 10 of this rule shall expire at the end of the PAL effective period, and the requirements in this section shall apply.

(b) Each emissions unit or each group of emissions units that existed under the PAL shall comply with an allowable emission limitation under a revised permit established according to the following procedures:

(1) Within the time frame specified for PAL renewals in section 10(b) of this rule, the major stationary source shall submit a proposed allowable emission limitation for each emissions unit or each group of emissions units, if the distribution is more appropriate as decided by the department by distributing the PAL allowable emissions for the major stationary source among each of the emissions units that existed under the PAL. If the PAL had not yet been adjusted for an applicable requirement that became effective during the PAL effective period, as required under section 10(e) of this rule, the distribution shall be made as if the PAL had been adjusted.

(2) The department shall decide whether and how the PAL allowable emissions will be distributed and issue a revised permit incorporating allowable limits for each emissions unit, or each group of emissions units, as the department determines is appropriate.

(c) Each emissions unit shall comply with the allowable emission limitation on a twelve (12) month rolling basis. The department may approve the use of monitoring systems other than CEMS, CERMS, PEMS, or CPMS to demonstrate compliance with the allowable emission limitation.

(d) Until the department issues the revised permit incorporating allowable limits for each emissions unit, or each group of emissions units, as required under subsection (b)(2), the source shall continue to comply with a source-wide, multiunit emissions cap equivalent to the level of the PAL emission limitation.

(e) Any physical change or change in the method of operation at the major stationary source will be subject to major NSR requirements if the change meets the definition of major modification in 326 IAC 2-2-1(ee).

(f) The major stationary source owner or operator shall continue to comply with any state or federal applicable requirements that may have applied either during the PAL effective period or prior to the PAL effective period except for those emission limitations that had been established under 326 IAC 2-2-8(a)(3), but were eliminated by the PAL in accordance with section 1(c)(3) of this rule. *(Air Pollution Control Board; 326 IAC*

2-2.4-9; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3914)

326 IAC 2-2.4-10 Renewal of a PAL
Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-15; IC 13-17

Sec. 10. (a) The department shall follow the procedures specified in section 5 of this rule in approving any request to renew a PAL for a major stationary source and shall provide both the proposed PAL level and a written rationale for the proposed PAL level to the public for review and comment. During the public review, any person may propose a PAL level for the source for consideration by the department.

(b) A major stationary source owner or operator shall submit a timely application to the department to request renewal of a PAL. A timely application is one that is submitted at least six (6) months prior to, but not earlier than eighteen (18) months from, the date of PAL expiration. If the owner or operator of a major stationary source submits a complete application to renew the PAL within this time period, then the PAL shall continue to be effective until the revised permit with the renewed PAL is issued.

(c) The application to renew a PAL permit shall contain the following information:
(1) The information required in section 3 of this rule.
(2) A proposed PAL level.
(3) The sum of the potential to emit of all emissions units under the PAL with supporting documentation.
(4) Any other information the owner or operator wishes the department to consider in determining the appropriate level for renewing the PAL.

(d) In determining whether and how to adjust the PAL, the department shall consider the options outlined in subdivisions (1) and (2). However, in no case may any adjustment fail to comply with subdivision (3). The following provisions apply:
(1) If the emissions level calculated in accordance with section 6 of this rule is equal to or greater than eighty percent (80%) of the PAL level, the department may renew the PAL at the same level without considering the factors set forth in subdivision (2).
(2) The department may set the PAL at a level that it determines to be more representative of the source's baseline actual emissions or that it determines to be appropriate considering:
(A) air quality needs;
(B) advances in control technology;
(C) anticipated economic growth in the area;
(D) desire to reward or encourage the source's voluntary emissions reductions; or
(E) other factors as specifically identified by the department.
(3) Notwithstanding subdivisions (1) and (2):
(A) if the potential to emit of the major stationary source is less than the PAL, the department shall adjust the PAL to a level no greater than the potential to emit of the source; and
(B) the department shall not approve a renewed PAL level higher than the current PAL unless the major stationary source has complied with section 11 of this rule.

(e) If the compliance date for a state or federal requirement that applies to the PAL source occurs during the PAL effective period and if the department has not already adjusted for the requirement, the PAL shall be adjusted at the time of PAL permit renewal or Part 70 permit renewal, whichever occurs first. *(Air Pollution Control Board; 326 IAC 2-2.4-10; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3915)*

326 IAC 2-2.4-11 Increasing a PAL during the PAL effective period
Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-15; IC 13-17

Sec. 11. (a) The department may increase a PAL emission limitation during the PAL effective period only if the major stationary source complies with the following provisions:

(1) The owner or operator of the major stationary source shall submit a complete application to request an increase in the PAL limit for a PAL major modification. The application shall identify the emissions units contributing to the increase in emissions so as to cause the major stationary source's emissions to equal or exceed its PAL.

(2) As part of this application, the major stationary source owner or operator shall demonstrate that the sum of the baseline actual emissions of the small emissions units plus the sum of the baseline actual emissions of the significant and major emissions units assuming application of BACT equivalent controls plus the sum of the allowable emissions of the new or modified emissions units exceeds the PAL. The level of control that would result from BACT equivalent controls on each significant or major emissions unit shall be determined by conducting a new BACT analysis at the time the application is submitted unless the emissions unit is currently required to comply with a BACT or LAER requirement that was established within the preceding ten (10) years. In this case, the assumed control level for that emissions unit shall be equal to the level of BACT or LAER with which that emissions unit must currently comply.

(3) The owner or operator shall obtain a major NSR permit for all emissions units identified in subdivision (1) regardless of the magnitude of the emissions increase resulting from them. These emissions units shall comply with any emissions requirements resulting from the major NSR process even though they have also become subject to the PAL or continue to be subject to the PAL.

(4) The PAL permit shall require that the increased PAL level shall be effective on the day any emissions unit that is part of the PAL major modification becomes operational and begins to emit the PAL pollutant.

(b) The department shall calculate the new PAL as the sum of the allowable emissions for each modified or new emissions unit plus the sum of the baseline actual emissions of the significant and major emissions units, assuming application of BACT equivalent controls as determined in accordance with subsection (a)(2), plus the sum of the baseline actual emissions of the small emissions units.

(c) The PAL permit must be revised to reflect the increased PAL level under the public notice requirements of section 5 of this rule. *(Air Pollution Control Board; 326 IAC 2-2.4-11; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3916)*

326 IAC 2-2.4-12 Monitoring requirements for PALs

Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-15; IC 13-17

Sec. 12. (a) The following general requirements apply:

(1) Each PAL permit must contain enforceable requirements for the monitoring system that accurately determine plantwide emissions of the PAL pollutant in terms of mass per unit of time. Any monitoring system authorized for use in the PAL permit must be based on sound science and meet generally acceptable scientific procedures for data quality and manipulation. Additionally, the information generated by the system must meet minimum legal requirements for admissibility in a judicial proceeding to enforce the PAL permit.

(2) The PAL monitoring system must employ one (1) or more of the four (4) general monitoring approaches meeting the minimum requirements set forth in subsection (b) and must be approved by the department.

(3) Notwithstanding subdivision (2), an alternative monitoring approach may be employed:

(A) that meets subdivision (1); and

(B) if it is approved by the department.

(4) Failure to use a monitoring system that meets the requirements of this section renders the PAL invalid.

(b) The following are acceptable general monitoring approaches when conducted in accordance with the minimum requirements in subsections (c) through (i):

(1) Mass balance calculations for activities using coatings or solvents.

(2) CEMS.

(3) CPMS or PEMS.

(4) Emission factors.

(c) An owner or operator using mass balance calculations to monitor PAL pollutant emissions from activities using coating or solvents shall meet the following requirements:

(1) Provide a demonstrated means of validating the published content of the PAL pollutant that is contained in or created by all materials used in or at the emissions unit.
(2) Assume that the emissions unit emits all of the PAL pollutant that is contained in or created by any raw material or fuel used in or at the emissions unit if it cannot otherwise be accounted for in the process.
(3) Where the vendor of a material or fuel, which is used in or at the emissions unit, publishes a range of pollutant content from the material, the owner or operator must use the highest value of the range to calculate the PAL pollutant emissions unless the department determines there is site-specific data or a site-specific monitoring program to support another content within the range.

(d) An owner or operator using CEMS to monitor PAL pollutant emissions shall meet the following requirements:
(1) CEMS must comply with applicable performance specifications found in 40 CFR Part 60, Appendix B*.
(2) CEMS must sample, analyze, and record data at least every fifteen (15) minutes while the emissions unit is operating.

(e) An owner or operator using CPMS or PEMS to monitor PAL pollutant emissions shall meet the following requirements:
(1) The CPMS or the PEMS must be based on current site-specific data demonstrating a correlation between the monitored parameters and the PAL pollutant emissions across the range of operation of the emissions unit.
(2) Each CPMS or PEMS must sample, analyze, and record data at least every fifteen (15) minutes, or at another less frequent interval approved by the department, while the emissions unit is operating.

(f) An owner or operator using emission factors to monitor PAL pollutant emissions shall meet the following requirements:
(1) All emission factors shall be adjusted, if appropriate, to account for the degree of uncertainty or limitations in the factors' development.
(2) The emissions unit shall operate within the designated range of use for the emission factor if applicable.
(3) If technically practicable, the owner or operator of a significant emissions unit that relies on an emission factor to calculate PAL pollutant emissions shall conduct validation testing to determine a site-specific emission factor within six (6) months of PAL permit issuance unless the department determines that testing is not required.

(g) A source owner or operator must record and report maximum potential emissions without considering enforceable emission limitations or operational restrictions for an emissions unit during any period of time that there is no monitoring data unless another method for determining emissions during the periods is specified in the PAL permit.

(h) Notwithstanding the requirements in subsections (c) through (g), where an owner or operator of an emissions unit cannot demonstrate a correlation between the monitored parameters and the PAL pollutant emissions rate at all operating points of the emissions unit, the department shall, at the time of permit issuance:
(1) establish default values for determining compliance with the PAL based on the highest potential emissions reasonably estimated at the operating points; or
(2) determine that operation of the emissions unit during operating conditions when there is no correlation between monitored parameters and the PAL pollutant emissions is a violation of the PAL.

(i) All data used to establish the PAL pollutant must be revalidated through performance testing or other scientifically valid means approved by the department. The testing must occur at least once every five (5) years after issuance of the PAL.

***This document is incorporated by reference. Copies may be obtained from the Government Printing Office, 732 North Capitol Street NW, Washington, D.C. 20401 or are available for review and copying at the Indiana Department of Environmental Management, Office of Air Quality, Indiana Government Center-North, Tenth Floor, 100 North Senate Avenue, Indianapolis, Indiana 46204.** *(Air Pollution Control Board; 326 IAC 2-2.4-12; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3916)*

326 IAC 2-2.4-13 Record keeping requirements
Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-15; IC 13-17

Sec. 13. (a) The PAL permit shall require an owner or operator to retain a copy of all records necessary to determine compliance with any requirement of this rule and of the PAL, including a determination of each emissions unit's twelve (12) month rolling total emissions, for five (5) years from the date of the record.

(b) The PAL permit shall require an owner or operator to retain a copy of the following records for the duration of the PAL effective period plus five (5) years:
(1) A copy of the PAL permit application and any applications for revisions to the PAL.
(2) Each annual certification of compliance pursuant to 40 CFR Part 70* and the data relied on in certifying the compliance.

***This document is incorporated by reference. Copies may be obtained from the Government Printing Office, 732 North Capitol Street NW, Washington, D.C. 20401 or are available for review and copying at the Indiana Department of Environmental Management, Office of Air Quality, Indiana Government Center-North, Tenth Floor, 100 North Senate Avenue, Indianapolis, Indiana 46204.** *(Air Pollution Control Board; 326 IAC 2-2.4-13; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3917)*

326 IAC 2-2.4-14 Reporting and notification requirements
Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-15; IC 13-17

Sec. 14. (a) The owner or operator shall submit semiannual monitoring reports and deviation reports to the department in accordance with 326 IAC 2-7. The reports shall meet the requirements of this section.

(b) A semiannual report shall be submitted to the department within thirty (30) days of the end of each reporting period. This report shall contain the following information:
(1) The identification of owner and operator and the permit number.
(2) Total annual emissions in tons per year based on a twelve (12) month rolling total for each month in the reporting period recorded under section 13(a) of this rule.
(3) All data relied upon, including, but not limited to, any quality assurance or quality control data, in calculating the monthly and annual PAL pollutant emissions.
(4) A list of any emissions units modified or added to the major stationary source during the preceding six (6) month period.
(5) The number, duration, and cause of any deviations or monitoring malfunctions, other than the time associated with zero (0) and span calibration checks, and any corrective action taken.
(6) Information about monitoring system shutdowns including the following:
(A) Notification to the department of the shutdown of any monitoring system.
(B) Whether the shutdown was permanent or temporary.
(C) The reason for the shutdown.
(D) The anticipated date that the monitoring system will be fully operational or replaced with another monitoring system.
(E) Whether the emissions unit monitored by the monitoring system continued to operate.
(F) If the emissions unit monitored by the monitoring system continued to operate, the calculation of the:
(i) emissions of the pollutant; or
(ii) number determined by method included in the permit, as provided by section 12(g) of this rule.
(7) A signed statement by the responsible official, as defined in 326 IAC 2-7-1(34), certifying the truth, accuracy, and completeness of the information provided in the report.

(c) The major stationary source owner or operator shall promptly submit reports to the department of any deviations or exceedance of the PAL requirements, including periods where no monitoring is available. A report submitted under 326 IAC 2-7-5(3)(C)(ii) shall satisfy this reporting requirement. The deviation reports shall be

submitted within the time limits prescribed by 326 IAC 2-7-5(3)(C)(ii). The reports shall contain the following information:

(1) The identification of owner and operator and the permit number.

(2) The PAL requirement that experienced the deviation or that was exceeded.

(3) Emissions resulting from the deviation or the exceedance.

(4) A signed statement by the responsible official, as defined in 326 IAC 2-7-1(34), certifying the truth, accuracy, and completeness of the information provided in the report.

(d) The owner or operator shall submit to the department the results of any revalidation test or method within three (3) months after completion of the test or method. *(Air Pollution Control Board; 326 IAC 2-2.4-14; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3917)*

326 IAC 2-2.4-15 Termination and revocation of a PAL

Authority: IC 13-14-8; IC 13-17-3

Affected: IC 13-15; IC 13-17

Sec. 15. (a) This section applies to any PAL that is terminated or revoked prior to the PAL expiration date.

(b) A major stationary source owner or operator may at any time submit a written request to the department to terminate or revoke a PAL prior to the expiration or renewal of the PAL.

(c) Each emissions unit or each group of emissions units that existed under the PAL shall be in compliance with an allowable emission limitation under a revised permit established according to the following procedures:

(1) The major stationary source owner or operator may submit a proposed allowable emission limitation for each emissions unit or each group of emissions units by distributing the PAL allowable emissions for the major stationary source among each of the emissions units that existed under the PAL. If the PAL had not yet been adjusted for an applicable requirement that became effective during the PAL effective period, as required under section 10(e) of this rule, such distribution shall be made as if the PAL had been adjusted.

(2) The department shall decide whether and how the PAL allowable emissions will be distributed and issue a revised permit incorporating allowable limits for each emissions unit, or each group of emissions units, as the department determines is appropriate. The determination of distribution of the PAL allowable emissions may be based on the emissions limitations that were eliminated by the PAL in accordance with section 1(c)(3) of this rule.

(d) Each emissions unit shall be in compliance with the allowable emission limitation on a twelve (12) month rolling basis. The department may approve the use of monitoring systems other than CEMS, CERMS, PEMS, or CPMS to demonstrate compliance with the allowable emission limitation.

(e) Until the department issues the revised permit incorporating allowable limits for each emissions unit, or each group of emissions units, as required under subsection (c)(2), the source shall continue to comply with a source-wide, multiunit emissions cap equivalent to the level of the PAL emission limitation.

(f) The department shall follow the procedures specified in section 5 of this rule in terminating or revoking a PAL for a major stationary source and shall provide the proposed distributed allowable emission limitations to the public for review and comment. During such public review, any person may propose a PAL distribution of allowable emissions for the source for consideration by the department. *(Air Pollution Control Board; 326 IAC 2-2.4-15; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3918)*

SECTION 15. 326 IAC 2-3-1 IS AMENDED TO READ AS FOLLOWS:

326 IAC 2-3-1 Definitions
Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-15; IC 13-17

Sec. 1. (a) The definitions in this section apply throughout this rule.

(b) "Actual emissions" means the actual rate of emissions of a **regulated NSR** pollutant from an emissions unit as determined in accordance with the following:

(1) In general, actual emissions as of a particular date shall equal the average rate, in tons per year, at which the unit actually emitted the pollutant during a ~~two (2) year~~ **consecutive twenty-four (24) month** period which precedes the particular date and which is representative of normal source operation. The commissioner shall allow the use of a different time period upon a determination that it is more representative of normal source operation. Actual emissions shall be calculated using the unit's actual operating hours, production rates, and types of materials processed, stored, or combusted during the selected time period.

(2) The commissioner may presume that source-specific allowable emissions for the unit are equivalent to the actual emissions of the unit.

(3) For any emissions unit ~~other than an electric utility steam generating unit specified in subdivision (4), which~~ **that** has not begun normal operations on the particular date, actual emissions shall equal the potential to emit of the unit on that date.

~~(4) For an electric utility steam generating unit, other than a new unit or the replacement of an existing unit, actual emissions of the unit following the physical or operational change shall equal the representative actual annual emissions of the unit, provided the source owner or operator maintains and submits to the department on an annual basis for a period of five (5) years from the date the unit resumes regular operation, information demonstrating that the physical or operational change did not result in an emissions increase. A longer period, not to exceed ten (10) years, may be required by the department if the department determines such a period to be more representative of normal source post-change operations.~~

~~(5) When applying for a pollution control project exclusion under subsection (s)(2)(H) for a pollution control project at an existing emissions unit, actual emissions of the unit following the installation of the pollution control project shall equal the representative actual annual emissions of the unit, provided the source owner or operator maintains and submits to the department on an annual basis for a period of five (5) years from the date the emissions unit resumes regular operation, information demonstrating that the pollution control project and the physical or operational changes to the unit necessary to accommodate the project did not result in an emissions increase. A longer period, not to exceed ten (10) years, may be required by the department if the department determines such a period to be more representative of normal source post-change operations. This subdivision cannot be used to determine if the pollution control project results in a significant net emissions increase. This subdivision can only be used for an application submitted under the pollution control project exclusion to determine if the project results in a significant net increase in representative actual annual emissions.~~

(4) The term shall not apply for calculating a significant emissions increase under section 2(c) of this rule or for establishing a PAL under 326 IAC 2-3.4. Instead, subsections (d) and (mm) shall apply for those purposes.

(c) "Allowable emissions" means the emissions rate of a source calculated using the maximum rated capacity of the source unless a source is subject to ~~state or federally~~ enforceable permit limits ~~which~~ **that** restrict the operating rate or hours of operation, or both, and the most stringent of the following:

(1) The applicable standards as set forth in 40 CFR **Part** 60, New Source Performance Standards (NSPS)*, and 40 CFR **Part** 61*, National Emission Standards for Hazardous Air Pollutants (NESHAPS)*.

(2) The emissions limitation imposed by any rule in this title, including those with a future compliance date.

(3) The emissions rate specified as a ~~federally~~ **an** enforceable permit condition, including those with a future compliance date.

(d) "Baseline actual emissions" means the rate of emissions, in tons per year, of a regulated NSR pollutant, as determined as follows:

(1) For any existing electric utility steam generating unit, baseline actual emissions means the average rate, in tons per year, at which the unit actually emitted the pollutant during any consecutive twenty-four (24) month period selected by the owner or operator within the five (5) year period immediately preceding when the owner or operator begins actual construction of the project. The commissioner may allow the use of a different time period upon a determination that it is more representative of normal source operation. The baseline actual emissions shall be determined in accordance with the following:

(A) The average rate shall include fugitive emissions to the extent quantifiable and emissions associated with startups, shutdowns, and malfunctions to the extent they are affected by the project.

(B) The average rate shall be adjusted downward to exclude any noncompliant emissions that occurred while the source was operating above any emission limitation that was legally enforceable during the consecutive twenty-four (24) month period.

(C) For a regulated NSR pollutant, when a project involves multiple emissions units, only one (1) consecutive twenty-four (24) month period may be used to determine the baseline actual emissions for the emissions units being changed. A different consecutive twenty-four (24) month period can be used for each regulated NSR pollutant.

(D) The average rate shall not be based on any consecutive twenty-four (24) month period for which there is inadequate information available for determining annual emissions, in tons per year, and for adjusting this amount if required by clause (B).

(2) For an existing emissions unit, other than an electric utility steam generating unit, baseline actual emissions means the average rate, in tons per year, at which the emissions unit actually emitted the pollutant during any consecutive twenty-four (24) month period selected by the owner or operator within the ten (10) year period immediately preceding either the date the owner or operator begins actual construction of the project or the date a complete permit application is received by the department for a permit required under 326 IAC 2-3, except that the ten (10) year period shall not include any period earlier than November 15, 1990. The baseline actual emissions shall be determined in accordance with the following:

(A) The average rate shall include fugitive emissions to the extent quantifiable and emissions associated with startups, shutdowns, and malfunctions and to the extent they are affected by the project.

(B) The average rate shall be adjusted downward to exclude any noncompliant emissions that occurred while the source was operating above an emission limitation that was legally enforceable during the consecutive

twenty-four (24) month period.

(C) The average rate shall be adjusted downward to exclude any emissions that would have exceeded an emission limitation with which the major stationary source must currently comply had the major stationary source been required to comply with the limitations during the consecutive twenty-four (24) month period. However, if an emission limitation is part of a maximum achievable control technology standard that the U.S. EPA proposed or promulgated under 40 CFR Part 63*, the baseline actual emissions need only be adjusted if the state has applied the emissions reduction to an attainment demonstration or maintenance plan consistent with the requirements of section 3(b)(14) of this rule.

(D) For a regulated NSR pollutant, when a project involves multiple emissions units, only one (1) consecutive twenty-four (24) month period must be used to determine the baseline actual emissions for the emissions units being changed. A different consecutive twenty-four (24) month period can be used for each regulated NSR pollutant.

(E) The average rate shall not be based on any consecutive twenty-four (24) month period for which there is inadequate information available for determining annual emissions, in tons per year, and for adjusting this amount if required by clauses (B) and (C).

(3) For a new emissions unit, the baseline actual emissions for purposes of determining the emissions increase that will result from the initial construction and operation of the unit shall equal zero (0) and thereafter, for all other purposes, shall equal the unit's potential to emit.

(4) For a PAL for a major stationary source, the baseline actual emissions shall be calculated for existing electric utility steam generating units in accordance with the procedures contained in subdivision (1), for other existing emissions units in accordance with the procedures contained in subdivision (2), and for a new emissions unit in accordance with the procedures contained in subdivision (3).

~~(d)~~ **(e)** "Begin actual construction" means, in general, initiation of physical on-site construction activities on an emissions unit ~~which~~ **that** are of a permanent nature. ~~Such~~ **These** activities include, but are not limited to, the following:

(1) Installation of building supports and foundations.

(2) Laying underground pipework.

(3) Construction of permanent storage structures.

With respect to a change in method of operations, ~~"begin actual construction"~~ **the term** refers to those on-site activities, other than preparatory activities, ~~which~~ **that** mark the initiation of the change.

~~(e)~~ **(f)** "Best available control technology" or "BACT" means an emissions limitation, including a visible emission standard, based on the maximum degree of reduction for each **regulated NSR** pollutant ~~subject to regulation under the Clean Air Act which~~ **that** would be emitted from any proposed major stationary source or major modification ~~which~~ **that** the commissioner, on a case-by-case basis, taking into account energy, environmental, and economic impacts and other costs, determines is achievable for ~~such~~ **the** source or modification through application of production processes or available methods, systems, and techniques, including fuel cleaning or treatment or innovative fuel combustion techniques for control of ~~such~~ **the** pollutant. In no event shall application of best available control technology result in emissions of any pollutant ~~which~~ **that** would exceed the emissions allowed by any applicable standard under 40 CFR **Part** 60* ~~and~~ **or** 40 CFR **Part** 61*. If the commissioner determines that technological or economic limitations on the application of measurement methodology to a particular emissions unit would make the imposition of an emissions standard infeasible, a design, equipment, work practice, operational standard, or combination thereof may be prescribed instead to satisfy the requirement for the application of best available control technology. ~~Such~~ **The** standard shall, to the degree possible, set forth the emissions reduction achievable by implementation of ~~such~~ **the** design, equipment, work practice, or operation and shall provide for compliance by means ~~which~~ **that** achieve equivalent results.

~~(f)~~ **(g)** "Building, structure, facility, or installation" means all of the pollutant-emitting activities ~~which~~ **that** belong to the same industrial grouping, are located on one (1) or more contiguous or adjacent properties, and are under the control of the same person or persons under common control. Pollutant-emitting activities shall be considered as part of the same industrial grouping if they belong to the same major group, that is, those ~~which~~ **that** have the same first two (2) digit code, as described in the Standard Industrial Classification Manual, 1972, as amended by the 1977 supplement, U.S. Government Printing Office*.

~~(g)~~ **(h)** "Clean coal technology" means any technology, including technologies applied at the precombustion,

combustion, or postcombustion stage, at a new or existing facility that will achieve significant reductions in air emissions of sulfur dioxide or oxides of nitrogen associated with the utilization of coal in the generation of electricity or process steam that was not in widespread use as of November 15, 1990.

~~(h)~~ **(i)** "Clean coal technology demonstration project" means a project using funds appropriated under the heading "Department of Energy–Clean Coal Technology", up to a total amount of two billion five hundred million dollars ($2,500,000,000) for commercial demonstration of clean coal technology, or similar projects funded through appropriations for the U.S. EPA. The federal contribution for a qualifying project shall be at least twenty percent (20%) of the total cost of the demonstration project.

~~(i)~~ **(k)** "Commence", as applied to construction of a major stationary source or major modification, means that the owner or operator has all necessary preconstruction approvals or permits and either has:

(1) begun, or caused to begin, a continuous program of actual on-site construction of the source to be completed within a reasonable time; or

(2) entered into binding agreements or contractual obligations, which cannot be canceled or modified without substantial loss to the owner or operator, to undertake a program of actual construction of the source to be completed within a reasonable time.

~~(j)~~ **(l)** "Complete", in reference to an application for a permit, means that the application contains all of the information necessary for processing the application. Designating an application complete for purposes of permit processing does not preclude the commissioner from requesting or accepting additional information.

~~(k)~~ **(m)** "Construction" means any physical change or change in the method of operation, including:

(1) fabrication;

(2) erection;

(3) installation;

(4) demolition; or

(5) modification;

of an emissions unit, ~~which~~ **that** would result in a change in actual emissions.

(n) "Continuous emissions monitoring system" or "CEMS" means all of the equipment that may be required to meet the data acquisition and availability requirements of this rule to complete the following:

(1) Sample emissions on a continuous basis.

(2) If applicable, condition emissions.

(3) Analyze emissions on a continuous basis.

(4) Provide a record of emissions on a continuous basis.

(o) "Continuous emissions rate monitoring system" or "CERMS" means the total equipment required for the determination and recording of the pollutant mass emissions rate in terms of mass per unit of time.

(p) "Continuous parameter monitoring system" or "CPMS" means all of the equipment necessary to meet the data acquisition and availability requirements of this rule to:

(1) monitor:

(A) process and control device operational parameters; and

(B) other information, such as gas flow rate, O_2 or CO_2 concentrations; and
(2) record average operational parameter values on a continuous basis.

~~(l)~~ **(q)** "de minimis", in reference to an emissions increase of volatile organic compounds from a modification in a serious or severe ozone nonattainment area, means an increase that does not exceed twenty-five (25) tons per year when the net emissions increases from the proposed modification are aggregated on a pollutant specific basis with all other net emissions increases from the source over a five (5) consecutive calendar year period prior to, and including, the year of the modification.

~~(m)~~ **(r)** "Electric utility steam generating unit" means any steam electric generating unit that is constructed for the purpose of supplying more than one-third (⅓) of its potential electric output capacity and more than twenty-five (25) megawatts electrical output to any utility power distribution system for sale. Any steam supplied to a steam distribution system for the purpose of providing steam to a steam-electric generator that would produce electrical energy for sale is also considered in determining the electrical energy output capacity of the affected facility.

~~(n)~~ **(s)** "Emissions unit" means any part of a stationary source ~~which~~ **that** emits or would have the potential to emit any **regulated NSR** pollutant. ~~regulated under the provisions of the Clean Air Act.~~ **For purposes of this rule, there are the following two (2) types of emissions units:**
(1) A new emissions unit is any emissions unit that is, or will be, newly constructed and that has existed for less than two (2) years from the date the emissions unit first operated.
(2) An existing emissions unit is any emissions unit that does not meet the requirements in subdivision (1). A replacement unit is an existing emissions unit.

(t) "Federal land manager" means, with respect to any lands in the United States, the secretary of the department with authority over the lands.

(u) "Federally enforceable" means all limitations and conditions that are enforceable by the U.S. EPA, including:
(1) those requirements developed pursuant to 40 CFR Part 60* and 40 CFR Part 61*;
(2) requirements within the state implementation plan; and
(3) any permit requirements established pursuant to 40 CFR Part 52.21* or under regulations approved pursuant to 40 CFR Part 51, Subpart I*, including operating permits issued under an EPA-approved program that is incorporated into the state implementation plan and expressly requires adherence to any permit issued under the program.

~~(o)~~ **(v)** "Fugitive emissions" means those emissions ~~which~~ **that** could not reasonably pass through a stack, chimney, vent, or other functionally equivalent opening.

~~(p)~~ **(w)** "Incidental emissions reductions" means the reductions in emissions of a pollutant achieved as an indirect result of complying with another rule for another pollutant.

~~(q)~~ **(x)** "Internal offset" means to use net emissions decreases from within the source to compensate for an increase in emissions.

~~(r)~~ **(y)** "Lowest achievable emission rate" or "LAER" means, for any source, the more stringent rate of emissions based on the **most stringent emissions limitation of the** following:
(1) ~~The most stringent emissions limitation which is~~ Contained in the implementation plan of any state for ~~such~~ **the** class or category of stationary source unless the owner or operator of the proposed stationary source demonstrates that ~~such~~ **the** limitations are not achievable.
(2) ~~The most stringent emissions limitation which is~~ Achieved in practice by ~~such~~ **the** class or category of stationary source. This limitation, when applied to a modification, means the lowest achievable emissions rate for the new or modified emissions unit within the stationary source. In no event shall the application of the lowest achievable emission rate ~~permit~~ **allow** a proposed new or modified stationary source to emit any pollutant in excess of the amount allowable under applicable new source standards of performance.

~~(s)~~ (z) "Major modification" means any physical change **in,** or change in the method of operation of, a major stationary source that would result in a significant ~~net~~ emissions increase **and a significant net emissions increase of a regulated NSR pollutant from the major stationary source** or, in an area ~~which~~ **that** is classified as either a serious or severe ozone nonattainment area, an increase in VOC emissions that is not de minimis. ~~of any pollutant which is being regulated under the Clean Air Act.~~ The following provisions apply:

(1) Any **significant emissions increase from any emissions units or** net emissions increase **at a major stationary source** that is significant for volatile organic compounds shall be considered significant for ozone.

(2) A physical change or change in the method of operation shall not include the following:

(A) Routine maintenance, repair, and replacement.

(B) Use of an alternative fuel or raw material by reason of an order under Sections 2(a) and 2(b) of the Energy Supply and Environmental Coordination Act of 1974 or by reason of a natural gas curtailment plan under the Federal Power Act.

(C) Use of an alternative fuel by reason of an order or rule under Section 125 of the Clean Air Act.

(D) Use of an alternative fuel at a steam generating unit to the extent that the fuel is generated from municipal solid waste.

(E) Use of an alternative fuel or raw material by a source ~~which:~~ **that the source:**

(i) ~~the source~~ was capable of accommodating before December 21, 1976, unless ~~such~~ **the** change would be prohibited under any enforceable permit condition ~~which~~ **that** was established after December 21, 1976, under 40 CFR **Part** 52.21* or regulations approved under 40 CFR **Part** 51.160 through 40 CFR **Part** 51.165* or 40 CFR **Part** 51.166*; or

(ii) ~~the source~~ is approved to use under any permit issued under this rule.

(F) An increase in the hours of operation or in the production rate unless ~~such~~ **the** change would be prohibited under any enforceable permit condition ~~which~~ **that** was established after December 21, 1976, under 40 CFR **Part** 52.21* or regulations approved under 40 CFR **Part** 51.160 through 40 CFR **Part** 51.165* or 40 CFR **Part** 51.166*.

(G) Any change in ownership at a stationary source.

(H) The addition, replacement, or use of a pollution control project at an existing emissions unit ~~if the following conditions are met:~~ **meeting the requirements of 326 IAC 2-3.3. A replacement control technology must provide more effective emissions control than that of the replaced control technology to qualify for this exclusion.**

~~(i) Upon review, the department does not determine that:~~

~~(AA) such addition, replacement, or use renders the unit less environmentally beneficial; or~~

~~(BB) the pollution control project would result in a significant net increase in representative actual annual emissions of any criteria pollutant over levels used for that source in the most recent air quality impact analysis in the area conducted for the purpose of Title I of the CAA, if any; and~~

~~(CC) the pollution control project would result in a significant net emissions increase that will cause or contribute to a violation of any national ambient air quality standard (NAAQS), PSD increment, or visibility limitation.~~

~~During review, the department may request that a source submit an analysis of the air quality impact of the net emissions increase of the pollution control project.~~

~~(ii) If a pollution control project would result in a significant net emissions increase in representative actual annual emissions of a pollutant for which an area is classified as nonattainment, or an emissions increase in VOC that is not de minimis in an area which is classified as either serious or severe ozone nonattainment, then those emissions shall be offset on a one-to-one (1:1) ratio, except that no offsets are required for the following:~~

~~(AA) A pollution control project for an electric utility steam generating unit.~~

~~(BB) A pollution control project that results in a significant net increase in representative actual annual emissions of any criteria pollutant for which the area is classified as nonattainment and current ambient monitoring data demonstrates that the air quality standard for that pollutant in the nonattainment area is not currently being violated.~~

~~(CC) A pollution control project for a NO_x budget unit, as defined in 326 IAC 10-4-2, that is being installed to control NO_x emissions for the purpose of complying with 326 IAC 10-4-2.~~

~~(iii) A pollution control project as described under this clause shall be considered a significant source modification under 326 IAC 2-7-10.5(f)(8).~~

(l) The installation, operation, cessation, or removal of a temporary clean coal technology demonstration project provided that the project complies with:

(i) the state implementation plan; and

(ii) other requirements necessary to attain and maintain the national ambient air quality standards during the project and after it is terminated.

(3) The term shall not apply to a particular regulated NSR pollutant when the major stationary source is complying with the requirements under 326 IAC 2-2.4 for a PAL for that pollutant. Instead, the definition at 326 IAC 2-2.4-2(g) shall apply.

~~(t)~~ **(aa)** "Major stationary source" means the following:

(1) Any stationary source of air pollutants, except for those subject to subdivision (2), ~~which~~ **that** emits or has the potential to emit one hundred (100) tons per year or more of any ~~air~~ **regulated NSR** pollutant. ~~subject to regulation under the Clean Air Act.~~

(2) For ozone nonattainment areas, ~~"major stationary source"~~ **the term** includes any stationary source or group of sources located within a contiguous area and under common control that emits or has the potential to emit volatile organic compounds that would equal or exceed any of the following rates:

Ozone Classification	Rate
Marginal	100 tons per year
Moderate	100 tons per year
Serious	50 tons per year
Severe	25 tons per year

(3) Any of the following stationary sources with potential emissions of five (5) tons per year or more of lead or lead compounds measured as elemental lead:

(A) Primary lead smelter.

(B) Secondary lead smelters.

(C) Primary copper smelters.

(D) Lead gasoline additive plants.

(E) Lead-acid storage battery manufacturing plants that produce two thousand (2,000) or more batteries per day.

(4) Any other stationary source with potential emissions of twenty-five (25) or more tons per year of lead or lead compounds measured as elemental lead.

(5) Any physical change occurring at a stationary source not qualifying under subdivision (1) if the change would by itself qualify as a major stationary source under subdivision (1).

~~(u)~~ **(bb)** "Necessary preconstruction approvals or permits" means those permits or approvals required under 326 IAC 2-2, 326 IAC 2-5.1, and 326 IAC 2-7.

~~(v)~~ **(cc)** "Net emissions decrease" means the amount by which the sum of the creditable emissions increases and decreases from any source modification project is less than zero (0).

~~(w)~~ **(dd)** "Net emissions increase", with ~~reference to a significant net emissions increase;~~ **respect to any regulated NSR pollutant emitted by a major stationary source,** means the **following:**

(1) **The** amount by which the sum of the ~~emission increases and decreases at a source~~ **following** exceeds zero (0):

(A) The increase in emissions from a particular physical change or change in the method of operation at a stationary source as calculated under section 2(c) and 2(d) of this rule.

(B) Any other increases and decreases in actual emissions at the major stationary source that are contemporaneous with the particular change and are otherwise creditable. Baseline actual emissions for calculating increases and decreases under this clause shall be determined as provided in subsection (d), except that subsection (d)(1)(C) and (d)(2)(D) shall not apply.

(2) For the purpose of determining de minimis in an area classified as serious or severe for ozone, the amount by which the sum of the emission increases and decreases from any source modification project exceeds zero (0).

(3) The following emissions increases and decreases are to be considered when determining net emissions increase:

~~(1)~~ **(A)** Any increase in actual emissions from a particular physical change or change in the method of operation.

~~(2)~~ **(B)** Any of the following increases and decreases in actual emissions that are contemporaneous with the particular change and are otherwise creditable:

~~(A)~~ **(i)** An increase or decrease in actual emissions is contemporaneous with the increase from the particular change only if it occurs after January 16, 1979, and between the following:

~~(i)~~ **(AA)** The date five (5) years before construction of the particular change commences.

~~(ii)~~ **(BB)** The date that the increase from the particular change occurs.

~~(B)~~ **(ii)** An increase or decrease in actual emissions is creditable only if the commissioner has not relied on the increase or decrease in issuing a permit for the source under this rule, which permit is in effect when the increase in actual emissions from the particular change occurs.

(iii) An increase or decrease in actual emissions is creditable only if the increase or decrease in emissions did not occur at a clean unit except as provided in 326 IAC 2-3.2-1(h) and 326 IAC 2-3.2-2(j).

~~(C)~~ **(iv)** An increase in actual emissions is creditable only to the extent that a new level of actual emissions exceeds the old level.

~~(D)~~ **(v)** A decrease in actual emissions is creditable only to the extent that:

~~(i)~~ **(AA)** the old level of actual emissions or the old level of allowable emissions, whichever is lower, exceeds the new level of actual emissions;

~~(ii)~~ **(BB)** it is ~~federally~~ enforceable **as a practical matter** at and after the time that actual construction on the particular change begins;

~~(iii)~~ **(CC)** the commissioner has not relied on it in issuing any permit under regulations approved under ~~40 CFR 51.160 through 40 CFR 51.165*~~ **40 CFR Part 51, Subpart I*** or the state has not relied on it in demonstrating attainment or reasonable further progress; ~~and~~

~~(iv)~~ **(DD)** it has approximately the same qualitative significance for public health and welfare as that attributed to the increase from the particular change; **and**

(EE) the decrease in actual emissions did not result from the installation of add-on control technology or application of pollution prevention practices that were relied on in designating an emissions unit as a clean unit under 326 IAC 2-2.2-2 or 326 IAC 2-3.2-2. Once an emissions unit has been designated as a clean unit, the owner or operator cannot later use the emissions reduction from the air pollution control measures that the clean unit designation is based on in calculating the net emissions increase for another emissions unit. However, any new emissions reductions that were not relied upon in a PCP excluded under 326 IAC 2-3.3-1 or for a clean unit designation are creditable to the extent they meet the requirements in 326 IAC 2-3.3-1(g)(4) for the PCP and 326 IAC 2-3.2-1(h) and 326 IAC 2-3.2-2(j) for a clean unit.

~~(E)~~ **(vi)** An increase that results from the physical change at a source occurs when the emissions unit on which construction occurred becomes operational and begins to emit a particular pollutant. Any replacement unit that requires shakedown becomes operational only after a reasonable shakedown period not to exceed one hundred eighty (180) days.

(vii) Subsection (b)(1) shall not apply for determining creditable increases and decreases or after a particular change or change in method of operation.

~~(x)~~ **(ee)** "New", in reference to a major stationary source, a modified major stationary source, or a major modification, means one ~~which~~ **that** commences construction after the effective date of this rule.

(ff) "Nonattainment major new source review program" means a major source preconstruction permit program that has been approved by the U.S. EPA and incorporated into the state implementation plan to implement the federal requirements of 40 CFR Part 51.165*, or a program that implements 40 CFR Part 51, Appendix S, Sections I through VI*. Any permit issued under the program is a major NSR permit.

(hh) "Pollution prevention" means the following:
(1) Any activity that eliminates or reduces the release of air pollutants, including fugitive emissions, and other

pollutants to the environment prior to recycling, treatment, or disposal through:
(A) process changes;
(B) product reformulation or redesign; or
(C) substitution of less polluting raw materials.
(2) The term does not include:
(A) recycling, except certain in-process recycling practices;
(B) energy recovery;
(C) treatment; or
(D) disposal.

~~(z)~~ **(ii)** "Potential to emit" means the maximum capacity of a stationary source to emit a pollutant under its physical and operational design. Any physical or operational limitation on the capacity of the source to emit a pollutant, including air pollution control equipment and restrictions on hours of operation or on the type or amount of material combusted, stored, or processed, shall be treated as part of its design only if the limitation or the effect it would have on emissions is ~~federally~~ enforceable **as a practical matter.** Secondary emissions do not count in determining the potential to emit of a stationary source.

(jj) "Predictive emissions monitoring system" or "PEMS" means all of the equipment necessary to:
(1) monitor:
(A) process and control device operational parameters; and
(B) other information, such as gas flow rate, O_2 or CO_2 concentrations; and
(2) calculate and record the mass emissions rate on a continuous basis.

(kk) "Prevention of significant deterioration permit" or "PSD permit" means any permit that is issued under 326 IAC 2-2 or under the program in 40 CFR Part 52.21*.

(ll) "Project" means a physical change in, or change in the method of operation of, an existing major stationary source.

(mm) "Projected actual emissions" means the following:
(1) The maximum annual rate, in tons per year, at which an existing emissions unit is projected to emit a regulated NSR pollutant in any consecutive twelve (12) month period of the five (5) years following the date the unit resumes regular operation after the project, or in any consecutive twelve (12) month period of the ten (10) years following the date the unit resumes regular operation, if the project involves increasing the emissions unit's design capacity or its potential to emit of that regulated NSR pollutant and full utilization of the unit would result in a significant emissions increase or a significant net emissions increase at the major stationary source.
(2) In determining the projected actual emissions before beginning actual construction, the owner or operator of the major stationary source:
(A) shall:
(i) consider all relevant information, including, but not limited to:
(AA) historical operational data;
(BB) the company's own representations;
(CC) the company's expected business activity and the company's highest projections of business activity;
(DD) the company's filings with the state or federal regulatory authorities; and
(EE) compliance plans under the approved plan;
(ii) include fugitive emissions to the extent quantifiable and emissions associated with startups, shutdowns, and malfunctions to the extent they are affected by the project; and
(iii) exclude, in calculating any increase in emissions that results from the particular project, that portion of the unit's emissions following the project that an existing unit could have accommodated during the consecutive twenty-four (24) month period used to establish the baseline actual emissions under subsection (d) and that is also unrelated to the particular project, including any increased utilization due to product demand growth; or

(B) in lieu of using the method set out in clause (A), may elect to use the emissions unit's potential to emit, in tons per year, as defined under subsection (ii).

~~(aa)~~ **(nn)** "Reasonable further progress" or "RFP" means the annual incremental reductions in emissions of a pollutant ~~which~~ **that** are sufficient in the judgment of the board to provide reasonable progress towards attainment of the applicable ambient air quality standards established by 326 IAC 1-3 by the dates set forth in the Clean Air Act.

~~(bb) "Repowering" means replacement of an existing coal-fired boiler with one (1) of the following clean coal technologies:~~

~~(1) Atmospheric or pressurized fluidized bed combustion.~~

~~(2) Integrated gasification combined cycle.~~

~~(3) Magnetohydrodynamics.~~

~~(4) Direct and indirect coal-fired turbines.~~

~~(5) Integrated gasification fuel cells.~~

~~(6) As determined by the U.S. EPA, in consultation with the Secretary of Energy, a derivative of one (1) or more of these technologies, and any other technology capable of controlling multiple combustion emissions simultaneously with improved boiler or generation efficiency and with significantly greater waste reduction relative to the performance of technology in widespread commercial use as of November 15, 1990.~~

~~Repowering shall also include any oil or gas-fired unit, or both, which has been awarded clean coal technology demonstration funding as of January 1, 1991, by the Department of Energy. The U.S. EPA shall give expedited consideration to permit applications for any source that satisfies the requirements of this subsection and is granted an extension under Section 409 of the Clean Air Act.~~

~~(cc) "Representative actual annual emissions" means the average rate, in tons per year, at which the source is projected to emit a pollutant for the two (2) year period after a physical change or change in the method of operation of a unit, (or a different consecutive two (2) year period within ten (10) years after that change, where the department determines that such period is more representative of normal source operations), considering the effect any such change will have on increasing or decreasing the hourly emissions rate and on projected capacity utilization. In projecting future emissions the department shall do the following:~~

~~(1) Consider all relevant information, including, but not limited to, the following:~~

~~(A) Historical operational data.~~

~~(B) The company's own representations.~~

~~(C) Filings with Indiana or federal regulatory authorities.~~

~~(D) Compliance plans under Title IV of the CAA.~~

~~(2) Exclude, in calculating any increase in emissions that results from the particular physical change or change in the method of operation at an electric utility steam generating unit, that portion of the unit's emissions following the change that could have been accommodated during the representative baseline period and is attributable to an increase in projected capacity utilization at the unit that is unrelated to the particular change, including any increased utilization due to the rate of electricity demand growth for the utility system as a whole.~~

(oo) "Regulated NSR pollutant" means the following:

(1) Nitrogen oxides or any volatile organic compounds.

(2) Any pollutant for which a national ambient air quality standard has been promulgated.

(3) Any pollutant that is a constituent or precursor of a general pollutant listed under subdivision (1) or (2) provided that a constituent or precursor pollutant may only be regulated under NSR as part of regulation of the general pollutant.

~~(dd)~~ **(pp)** "Secondary emission" means emissions ~~which~~ **that** would occur as a result of the construction or operation of a major stationary source or major modification, but do not come from the major stationary source or major modification itself. For the purpose of this rule, secondary emissions must be specific, well-defined, quantifiable, and impact the same general area as the stationary source or modification ~~which~~ **that** causes the secondary emissions. Secondary emissions may include, but are not limited to, **emissions from:**

(1) ~~emissions from the~~ ships or trains coming to or from the new or modified stationary source; and

(2) ~~emissions from~~ an off-site support facility ~~which~~ **that** would not otherwise be constructed or increase its emissions

as a result of the construction or operation of the major stationary source or major modification.

~~(cc)~~ **(qq)** "Significant", in reference to a net emissions increase or the potential of a source to emit any of the following pollutants, means a rate of emissions that would equal or exceed any of the following rates:

Carbon monoxide	100 tons per year (tpy)
Nitrogen oxides	40 tpy
Sulfur dioxide	40 tpy
Particulate matter	25 tpy
PM_{10}	15 tpy
Ozone (marginal and moderate areas)	40 tpy of volatile organic compound (VOC)
Lead	0.6 tpy

(rr) "Significant emissions increase" means, for a regulated NSR pollutant, an increase in emissions that is significant as defined in subsection (qq) for that pollutant.

~~(ff)~~ **(ss)** "Source modification project" means all those physical changes or changes in the methods of operation at a source ~~which~~ **that** are necessary to achieve a specific operational change.

~~(gg)~~ **(tt)** "Stationary source" means any building, structure, facility, or installation, including a stationary internal combustion engine, ~~which~~ **that** emits or may emit ~~any air~~ **a regulated NSR** pollutant. ~~subject to regulation under the Clean Air Act.~~

~~(hh)~~ **(uu)** "Temporary clean coal technology demonstration project" means a clean coal technology demonstration project that is operated for a period of five (5) years or less and that complies with the state implementation plan and other requirements necessary to attain and maintain the national ambient air quality standards during the project and after it is terminated.

*These documents are incorporated by reference. ~~and~~ Copies may be obtained from the Government Printing Office, 732 North Capitol Street NW, Washington, D.C. 20401 ~~and~~ **or** are available for **review and** copying at the Indiana Department of Environmental Management, Office of Air Quality, Indiana Government Center-North, Tenth Floor, 100 North Senate Avenue, Indianapolis, Indiana 46204. *(Air Pollution Control Board; 326 IAC 2-3-1; filed Mar 10, 1988, 1:20 p.m.: 11 IR 2401; filed Jan 6, 1989, 3:30 p.m.: 12 IR 1106; filed Nov 12, 1993, 4:00 p.m.: 17 IR 725; filed Nov 25, 1998, 12:13 p.m.: 22 IR 1002; errata filed May 12, 1999, 11:23 a.m.: 22 IR 3105; filed Aug 17, 2001, 3:45 p.m.: 25 IR 6; errata filed Nov 29, 2001, 12:20 p.m.: 25 IR 1183; errata filed Dec 12, 2002, 3:30 p.m.: 26 IR 1565; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3920)*

SECTION 16. 326 IAC 2-3-2 IS AMENDED TO READ AS FOLLOWS:

326 IAC 2-3-2 Applicability
Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-15; IC 13-17

Sec. 2. (a) This rule applies to new ~~and modified~~ major stationary sources or major modifications constructed in an area designated, ~~in 326 IAC 1-4~~ **as of the date of submittal of a complete application,** as nonattainment ~~as of the date of submittal of a complete application,~~ **in 326 IAC 1-4,** for a pollutant for which the stationary source or modification is major.

(b) This rule applies to modifications of major stationary sources of volatile organic compounds (VOC) in serious and severe ozone nonattainment areas as follows:

(1) A modification of a major stationary source with a de minimis increase in emissions shall be exempt from section 3 of this rule.

(2) A modification having an increase in emissions that is not de minimis to an existing major stationary source that does not have the potential to emit one hundred (100) tons or more of volatile organic compounds (VOC) per year will not be subject to section 3(a) of this rule if the owner or operator of the source elects to internal offset the

increase by a ratio of one and three-tenths (1.3) to one (1). If the owner or operator does not make ~~such an~~ the election or is unable to, section 3(a) of this rule applies, except that ~~best available control technology~~ BACT shall be substituted for ~~lowest achievable emission rate~~ LAER required by section 3(a)(2) of this rule.

(3) A modification having an increase in emissions that is not de minimis to an existing major stationary source emitting or having the potential to emit one hundred (100) tons of volatile organic compounds (VOC) or more per year will be subject to the requirements of section 3(a) of this rule, except that the owner or operator may elect to internal offset the increase at a ratio of one and three-tenths (1.3) to one (1) as a substitute for ~~lowest achievable emission rate~~ LAER required by section 3(a)(2) of this rule.

(c) The requirements of this rule will be applied in accordance with the following:

(1) Except as otherwise provided in subsections (k) and (l) and consistent with the definition of major modification in section 1(z) of this rule, a project is a major modification for a regulated NSR pollutant if it causes a significant emissions increase and a significant net emissions increase except for VOC emissions in a severe or serious nonattainment area for ozone. The project is not a major modification if it does not cause a significant emissions increase. If the project causes a significant emissions increase, then the project is a major modification only if it also results in a significant net emissions increase.

(2) Prior to beginning actual construction, the procedure for calculating whether a significant emissions increase will occur depends upon the type of emissions units being modified, in accordance with this subsection, except for VOC emissions in a severe or serious nonattainment area for ozone. The procedure for calculating, before beginning actual construction, whether a significant net emissions increase will occur at the major stationary source is contained in section 1(dd) of this rule. Regardless of any preconstruction projections, a major modification results if the project causes a significant emissions increase and a significant net emissions increase.

(3) For an actual-to-projected-actual applicability test for projects that only involve existing emissions units, a significant emissions increase of a regulated NSR pollutant is projected to occur if the sum of the difference between the projected actual emissions and the baseline actual emissions for each existing emissions unit equals or exceeds the significant amount for that pollutant.

(4) For an actual-to-potential applicability test for projects that only involve construction of new emissions units, a significant emissions increase of a regulated NSR pollutant is projected to occur if the sum of the difference between the potential to emit from each new emissions unit following completion of the project and the baseline actual emissions of these units before the project equals or exceeds the significant amount for that pollutant.

(6) For projects that involve a combination of emission units using the tests in subdivisions (3) through (5), a significant emissions increase of a regulated NSR pollutant is projected to occur if the sum of the emissions increases for each emissions unit, using the method specified in subdivisions (3) through (5), as applicable, with respect to each emissions unit, for each type of emissions unit equals or exceeds the significant amount for that pollutant.

~~(c)~~ **(d)** At ~~such~~ the time that a particular source or modification becomes a major stationary source or major modification solely by virtue of a relaxation in any ~~federally~~ enforceable limitation ~~which~~ **that** was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then this rule applies to the source or modification as though construction had not yet commenced on the source or modification.

~~(d)~~ **(e)** In the case of an area ~~which~~ **that** has been redesignated nonattainment, any source ~~which~~ **that** would not have been required to submit a permit application under 326 IAC 2-2 concerning the prevention of significant deterioration will not be subject to this rule if construction commences within eighteen (18) months of the area's redesignation.

~~(e)~~ **(f)** Major stationary sources or major modifications ~~which~~ **that** would locate in any area designated as attainment or unclassifiable in the state ~~of Indiana~~ and would exceed the following significant impact levels at any locality, for any pollutant ~~which~~ **that** is designated as nonattainment, must meet the requirements specified in section 3(a)(1) through 3(a)(3) of this rule. All values are expressed in micrograms per cubic meter ($\mu g/m^3$):

Pollutant	Annual	24-hour	8-hour	3-hour	1-hour
Sulfur dioxide	1	5	X	25	X
Total suspended particulates	1	5	X	X	X
PM_{10}	1	5	X	X	X
Nitrous oxides	1	X	X	X	X
Carbon monoxide	X	X	500	X	2,000

~~(f)~~ (g) This rule does not apply to a source or modification, other than a source of volatile organic compounds in a serious or severe ozone nonattainment area or a source of PM_{10} in a serious PM_{10} area, that would be a major stationary source or major modification only if fugitive emissions, to the extent quantifiable, are considered in calculating the potential to emit of the stationary source or modification and the source does not belong to any of the following categories:

(1) Coal cleaning plants (with thermal driers).
(2) Kraft pulp mills.
(3) Portland cement plants.
(4) Primary zinc smelters.
(5) Iron and steel mill plants.
(6) Primary aluminum ore reduction plants.
(7) Primary copper smelters.
(8) Municipal incinerators capable of charging more than two hundred fifty (250) tons of refuse per day.
(9) Hydrofluoric, sulfuric, and nitric acid plants.
(10) Petroleum refineries.
(11) Lime plants.
(12) Phosphate rock processing plants.
(13) Coke oven batteries.
(14) Sulfur recovery plants.
(15) Carbon black plants (furnace process).
(16) Primary lead smelters.
(17) Fuel conversion plants.
(18) Sintering plants.
(19) Secondary metal production plants.
(20) Chemical process plants.
(21) Fossil-fuel boilers (or combinations thereof) totaling more than two hundred fifty million (250,000,000) British thermal units per hour heat input.
(22) Petroleum storage and transfer unit with a storage capacity exceeding three hundred thousand (300,000) barrels.
(23) Taconite ore processing plants.
(24) Glass fiber processing plants.
(25) Charcoal production plants.
(26) Fossil fuel-fired steam electric plants of more than two hundred fifty million (250,000,000) British thermal units per hour heat input.
(27) Any other stationary source category which, as of August 7, 1980, is being regulated under Section 111 or 112 of the Clean Air Act.

~~(g)~~ (h) For purposes of this rule, secondary emissions from a source need not be considered in determining whether the source would qualify as a major source. ~~However,~~ If a source is subject to this rule on the basis of the direct emissions from the source, the applicable conditions must also be met for secondary emissions. ~~However, such~~ The secondary emissions may be exempt from the requirements specified in section 3(a)(2) through 3(a)(3) of this rule.

~~(h)~~ (i) Hazardous air pollutants listed in and regulated by 326 IAC 14-1 are not exempt from this rule.

~~(i)~~ (j) The installation, operation, cessation, or removal of temporary clean coal technology demonstration projects funded under the Department of Energy–Clean Coal Technology Appropriations may be exempt from the requirements of section 3 of this rule. To qualify for this exemption, the project must be at an existing facility, operate for no more than five (5) years, and comply with all other applicable rules for the area.

(k) For any major stationary source operating under a PAL for a regulated NSR pollutant, the major stationary source shall comply with requirements under 326 IAC 2-3.4.

(m) The following specific provisions apply to projects at existing emissions units at a major stationary source, other than projects at a clean unit or at a source with a PAL, in circumstances where there is a reasonable possibility that a project that is not a part of a major modification may result in a significant emissions increase and the owner or operator elects to use the method specified in section 1(mm)(2)(A) of this rule for calculating projected actual emissions:

(1) Before beginning actual construction of the project, the owner or operator shall document and maintain a record of the following information:

(A) A description of the project.

(B) Identification of the emissions units whose emissions of a regulated NSR pollutant could be affected by the project.

(C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:

(i) the baseline actual emissions;

(ii) the projected actual emissions;

(iii) the amount of emissions excluded under section 1(mm)(2)(A)(3) of this rule and an explanation for why the amount was excluded; and

(iv) any netting calculations, if applicable.

(2) If the emissions unit is an existing electric utility steam generating unit, before beginning actual construction, the owner or operator shall provide a copy of the information set out in subdivision (1) to the department. Nothing in this subdivision shall be construed to require the owner or operator of the unit to obtain any determination from the department before beginning actual construction.

(3) The owner or operator shall:

(A) monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any emissions units identified in subdivision (1)(B); and

(B) calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity or potential to emit of that regulated NSR pollutant at the emissions unit.

(4) If the unit is an existing electric utility steam generating unit, the owner or operator shall submit a report to the department within sixty (60) days after the end of each year during which records must be generated under subdivision (3) setting out the unit's annual emissions during the year that preceded submission of the report.

(5) If the unit is an existing unit other than an electric utility steam generating unit, the owner or operator shall submit a report to the department if the annual emissions, in tons per year, from the project identified in subdivision (1), exceed the baseline actual emissions, as documented and maintained under subdivision (1)(C), by a significant amount for that regulated NSR pollutant, and if the emissions differ from the preconstruction projection as documented and maintained under subdivision (1)(C). The report shall be submitted to the department within sixty (60) days after the end of the year. The report shall contain the following:

(A) The name, address, and telephone number of the major stationary source.

(B) The annual emissions as calculated under subdivision (3).

(C) The emissions calculated under the actual to projected actual test stated in subsection (c)(3).

(D) Any other information that the owner or operator wishes to include in the report.

(6) The owner or operator of the source shall make the information required to be documented and maintained under subdivisions (1) through (5) available for review upon a request for inspection by the department. The general public may request this information from the department under 326 IAC 17.1.

(Air Pollution Control Board; 326 IAC 2-3-2; filed Mar 10, 1988, 1:20 p.m.: 11 IR 2404; filed Nov 12, 1993, 4:00 p.m.: 17 IR 728; filed Aug 17, 2001, 3:45 p.m.: 25 IR 11; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3929)

SECTION 17. 326 IAC 2-3-3 IS AMENDED TO READ AS FOLLOWS:

326 IAC 2-3-3 Applicable requirements
Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-15; IC 13-17

Sec. 3. (a) Prior to the issuance of a construction permit to a source subject to this rule, the applicant shall comply with the following requirements:

(1) The proposed major new source or major modification shall demonstrate that the source will meet all applicable requirements of this title, any applicable new source performance standard in 40 CFR **Part** 60*, or any national emission standard for hazardous air pollutants in 40 CFR **Part** 61*. If the commissioner determines that the proposed major new source cannot meet the applicable emission requirements, the permit to construct will be denied.

(2) The applicant will apply emission limitation devices or techniques to the proposed construction or modification such that the ~~lowest achievable emission rate~~ LAER for the applicable pollutant will be achieved.

(3) The applicant shall either demonstrate that all existing major sources owned or operated by the applicant in the state ~~of Indiana~~ are in compliance with all applicable emission limitations and standards contained in the Clean Air Act and in this title or demonstrate that they are in compliance with a federally enforceable compliance schedule requiring compliance as expeditiously as practicable.

(4) The applicant shall submit an analysis of alternative sites, sizes, production processes, and environmental control techniques for ~~such~~ **the** proposed source ~~which~~ **that** demonstrates that benefits of the proposed source significantly outweigh the environmental and social costs imposed as a result of its location, construction, or modification.

(5) Emissions resulting from the proposed construction or modification shall be offset by a reduction in actual emissions of the same pollutant from an existing source or combination of existing sources. The emission offset shall be such that there will be reasonable further progress toward attainment of the applicable ambient air quality standards as follows:

(A) Greater than one-for-one unless otherwise specified.

(B) For ozone nonattainment areas, the following table shall determine the minimum offset ratio requirements for major stationary sources of volatile organic compounds:

Ozone Classification	Minimum Offset Requirements
Marginal	1.1 to 1
Moderate	1.15 to 1
Serious	1.2 to 1
Severe	1.3 to 1

(6) The total tonnage of increased emissions, in tons per year, resulting from a major modification that must be offset in accordance with Section 173 of the CAA shall be determined by summing the difference between the allowable emissions after the modification and the actual emissions before the modification for each emissions unit.

~~(6)~~ **(7)** The applicant shall obtain the necessary preconstruction approvals and shall meet all the permit requirements specified in 326 IAC 2-5.1 or 326 IAC 2-7, **as applicable.**

(8) Approval to construct shall not relieve any owner or operator of the responsibility to comply fully with an applicable provision of the state implementation plan and any other requirements under local, state, or federal law.

(b) The following provisions shall apply to all emission offset evaluations:

(1) Emission offsets shall be determined on a tons per year and, whenever possible, a pounds per hour basis when all facilities requiring offset involved in the emission offset calculations are operating at their maximum potential or allowed production rate. When offsets are calculated on a tons per year basis, the baseline emissions for existing sources providing the offsets shall be calculated using the allowed or actual annual operating hours, whichever is less.

(2) The baseline for determining credit for emission offsets will be the emission limitations or actual emissions, whichever is lower, in effect at the time the application to construct or modify a source is filed. Credit for emission offset purposes may be allowable for existing control that goes beyond that required by source-specific emission limitations contained in this title.

(3) In cases where the applicable rule under this title does not contain an emission limitation for a source or source category, the emission offset baseline involving ~~such~~ **the** sources shall be the actual emissions determined at their maximum expected or allowable production rate.

(4) In cases where emission ~~limits~~ **limitations** for existing sources allow greater emissions than the ~~uncontrolled emission rate~~ **potential to emit** of the source, emission offset credit shall only be allowed for emissions controlled below the ~~uncontrolled emission rate.~~ **potential to emit.**

(5) A source may receive offset credit from emission reductions achieved by shutting down an existing source or permanently curtailing production or operating hours below baseline levels ~~provided, that the work force to be affected has been notified of the proposed shutdown or curtailment. Emission offsets that involve reducing operating hours or production or source shutdowns must be federally enforceable. Emission offsets may be credited for a source shutdown or curtailment provided that the applicant can establish that such shutdown or curtailment occurred less than one (1) year prior to the date of permit application, and the proposed new source is a replacement for the shutdown or curtailment.~~ **if the reductions are permanent, quantifiable, and federally enforceable.**

(A) If the area has an attainment plan approved by U.S. EPA, the shutdown or curtailment is creditable only if it occurred on or after the date of the most recent emissions inventory or attainment demonstration. However, in no event may credit be given for shutdowns that occurred prior to August 7, 1977. For the purposes of this clause, the department may choose to consider a prior shutdown or curtailment to have occurred after the date of its most recent emissions inventory if the inventory explicitly includes, as current existing emissions, the emissions from such previously shutdown or curtailed sources.

(B) The reductions may be credited in the absence of an approved attainment demonstration only if:

(i) the shutdown or curtailment occurred on or after the date the new source permit application is filed; or

(ii) the applicant can establish that the proposed new source is a replacement for the shutdown or curtailed source and the cutoff date provisions in clause (A) are observed.

(6) Emission offset credit involving an existing fuel combustion source will be based on the allowable emissions under other rules of this title for the type of fuel being burned at the time the new source application is filed. If the existing source commits to switch to a cleaner fuel at some future date, emission offset credit based on the allowable emissions for the fuels involved is acceptable, provided the permit is conditioned to require the use of a specific alternative control measure ~~which~~ **that** would achieve the same degree of emission reduction should the source switch back to a dirtier fuel at some later date. The commissioner will grant emission offset credit for fuel switching only after ensuring that adequate supplies of the new fuel are available at least for the next ten (10) years.

(7) In the case of volatile organic compound emissions, no emission offset credit may be allowed for replacing one (1) hydrocarbon compound with another of lesser reactivity, except for those compounds defined as nonphotochemically reactive hydrocarbons in 326 IAC 1-2-48.

(8) No emission reduction may be approved to offset emissions ~~which~~ **that** cannot be federally enforced. Offsetting emissions shall be considered federally enforceable if the reduction is included as a condition in the applicable permit as specified in 326 IAC 2-5.1 or 326 IAC 2-7 if issued under a federally-approved air permit program.

(9) Emission reductions required under any other rule adopted by the ~~air pollution control~~ board shall not be creditable as emission reductions and therefore cannot be used for emission offsets.

(10) Incidental emission reductions that are not otherwise required by any other rule adopted by the ~~air pollution control~~ board shall be creditable as emission reductions for emission offsets if ~~such~~ **the** emission reductions meet all of the other requirements for offsets.

(11) A source may offset by alternative or innovative means emission increases from rocket engine or motor firing and cleaning related to ~~such~~ **the** firing at an existing or modified major source that tests rocket engines or motors under the following conditions:

(A) Any modification proposed is solely for the purpose of expanding the testing of rocket engines or motors at an existing source that is permitted to test ~~such~~ **the** engines on November 15, 1990.

(B) The source demonstrates to the satisfaction of the department that:

(i) it has used all reasonable means to obtain and utilize offsets, as determined on an annual basis, for the emissions increases beyond allowable levels; ~~that~~

(ii) all available offsets are being used; and ~~that~~

(iii) sufficient offsets are not available to the source.

(C) The source has obtained a written finding from:

(i) the Department of Defense;

(ii) the Department of Transportation;

(iii) the National Aeronautics and Space Administration; or

(iv) other appropriate federal agency;

that the testing of rocket motors or engines at the facility is required for a program essential to the national security.
(D) The source will comply with an alternative measure, imposed by the department, designed to offset any emission increases beyond permitted levels not directly offset by the source.

(14) Credit for an emissions reduction can be claimed to the extent that the department has not relied on it in:

(A) issuing any permit under regulations approved pursuant to 40 CFR Part 51 Subpart I*; or

(B) a demonstration for attainment or reasonable further progress.

***This document is incorporated by reference. Copies may be obtained from the Government Printing Office, 732 North Capitol Street NW, Washington, D.C. 20401 or are available for review and copying at the Indiana Department of Environmental Management, Office of Air Quality, Indiana Government Center-North, Tenth Floor, 100 North Senate Avenue, Indianapolis, Indiana 46204.** *(Air Pollution Control Board; 326 IAC 2-3-3; filed Mar 10, 1988, 1:20 p.m.: 11 IR 2406; filed Nov 12, 1993, 4:00 p.m.: 17 IR 730; filed Nov 25, 1998, 12:13 p.m.: 22 IR 1005; filed Aug 17, 2001, 5:45 p.m.: 25 IR 12; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3931)*

SECTION 20. 326 IAC 2-3.4 IS ADDED TO READ AS FOLLOWS:

Rule 3.4. Actuals Plantwide Applicability Limitations in Nonattainment Areas

326 IAC 2-3.4-1 Applicability
Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-15; IC 13-17

Sec. 1. (a) The department may approve the use of an actuals plantwide applicability limitation (PAL) for any existing major stationary source, except as provided in subsection (b), if the PAL meets the requirements in this rule. A source that is subject to P.L.231-2003, SECTION 6 shall comply with the requirements of 326 IAC 2-2.6.

(b) The department shall not allow an actuals PAL for VOC or NO_x for any major stationary source located in an extreme ozone nonattainment area.

(c) Any physical change in or change in the method of operation of a major stationary source that maintains its total source-wide emissions below the PAL, that level meets the requirements in this rule, and that complies with the PAL permit:
(1) is not a major modification for the PAL pollutant;
(2) does not have to be approved through 326 IAC 2-3; and
(3) is not subject to 326 IAC 2-3-2(d).

(d) Except as provided under subsection (c)(3), a major stationary source shall continue to comply with all applicable federal or state requirements, emission limitations, and work practice requirements that were established prior to the effective date of the PAL. *(Air Pollution Control Board; 326 IAC 2-3.4-1; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3939)*

326 IAC 2-3.4-2 Definitions
Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-15; IC 13-17

Sec. 2. (a) The definitions in this section apply throughout this rule. A term that is not defined in this section shall have the meaning set forth in 326 IAC 2-3-1 or in the CAA.

(b) "Actuals PAL", for a major stationary source, means a PAL based on the baseline actual emissions of all emissions units at the source that emit or have the potential to emit the PAL pollutant.

(c) "Allowable emissions" means the following:
(1) The emissions rate of a stationary source calculated using the maximum rated capacity of the source unless the source is subject to federally enforceable limits that restrict the operating rate or hours of operation, or both, and the most stringent of the:
(A) applicable standards as set forth in 40 CFR Part 60* and 40 CFR Part 61*;
(B) state implementation plan emissions limitation, including those with a future compliance date; or
(C) emissions rate specified as a federally enforceable permit condition, including those with a future compliance date.
(2) The allowable emissions for any emissions unit shall be calculated considering any emission limitations that are enforceable as a practical matter on the emissions unit's potential to emit.
(3) An emissions unit's potential to emit shall be determined using the definition in 326 IAC 2-3-1.

(d) "Major emissions unit" means any emissions unit that emits or has the potential to emit:
(1) one hundred (100) tons per year or more of the PAL pollutant in an attainment area; or
(2) the PAL pollutant in an amount that is equal to or greater than the major source threshold for the PAL pollutant as defined by the CAA for nonattainment areas.

(e) "PAL effective date" generally means the date of issuance of the PAL permit. However, the PAL effective date for an increased PAL under section 11 of this rule is the date any emissions unit that is part of the PAL major modification becomes operational and begins to emit the PAL pollutant.

(f) "PAL effective period" means the period beginning with the PAL effective date and ending ten (10) years later.

(g) "PAL major modification" means, notwithstanding the definitions for major modification in 326 IAC 2-3-1(z) and net emissions increase in 326 IAC 2-3-1(dd), any physical change in or change in the method of operation of the PAL source that causes it to emit the PAL pollutant at a level equal to or greater than the PAL.

(h) "PAL permit" means the permit issued by the department that contains PAL provisions for a major stationary source.

(i) "PAL pollutant" means the regulated NSR pollutant for which a PAL is established at a major stationary source.

(j) "Plantwide applicability limitation" or "PAL" means an emission limitation expressed in tons per year, for a pollutant at a major stationary source, that is enforceable as a practical matter and established source-wide in accordance with this rule. For the purposes of this rule, a PAL is an actuals PAL.

(k) "Significant emissions unit" means an emissions unit that emits or has the potential to emit a PAL pollutant in an amount that is equal to or greater than the significant level, as defined in 326 IAC 2-3-1 or in the CAA, whichever is lower, for that PAL pollutant, but less than the amount that would qualify the unit as a major emissions unit as defined in subsection (d).

(l) "Small emissions unit" means an emissions unit that emits or has the potential to emit the PAL pollutant in an amount less than the significant level for that PAL pollutant, as defined in 326 IAC 2-3-1(qq) or in the CAA, whichever is lower.

***These documents are incorporated by reference. Copies may be obtained from the Government Printing Office, 732 North Capitol Street NW, Washington, D.C. 20401 or are available for review and copying at the Indiana Department of Environmental Management, Office of Air Quality, Indiana Government Center-North, Tenth Floor, 100 North Senate Avenue, Indianapolis, Indiana 46204.** *(Air Pollution Control Board; 326 IAC 2-3.4-2; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3940)*

326 IAC 2-3.4-3 Permit application requirements
Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-15; IC 13-17

Sec. 3. As part of a permit application requesting a PAL, the owner or operator of a major stationary source shall submit the following information to the department for approval:
(1) A list of all emissions units at the source designated as small, significant, or major based on their potential to emit. In addition, the owner or operator of the source shall indicate which, if any, federal or state applicable requirements, emission limitations, or work practices apply to each unit.
(2) Calculations of the baseline actual emissions with supporting documentation. Baseline actual emissions are to include emissions associated not only with operation of the unit, but also emissions associated with startup, shutdown, and malfunction.
(3) The calculation procedures that the major stationary source owner or operator proposes to use to convert the monitoring system data to monthly emissions and annual emissions based on a twelve (12) month rolling total for each month as required by section 13(a) of this rule.
(Air Pollution Control Board; 326 IAC 2-3.4-3; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3941)

326 IAC 2-3.4-4 Establishing PALs; general requirements
Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-15; IC 13-17

Sec. 4. (a) The department may establish a PAL at a major stationary source provided that, at a minimum,

the following requirements are met:

(1) The PAL shall impose an annual emission limitation in tons per year, which is enforceable as a practical matter, for the entire major stationary source. For each month during the PAL effective period after the first twelve (12) months of establishing a PAL, the major stationary source owner or operator shall show that the sum of the monthly emissions from each emissions unit under the PAL for the previous twelve (12) consecutive months is less than the PAL, on a twelve (12) month average, rolled monthly. For each month during the first eleven (11) months from the PAL effective date, the major stationary source owner or operator shall show that the sum of the preceding monthly emissions from the PAL effective date for each emissions unit under the PAL is less than the PAL.

(2) The PAL shall be established in a PAL permit that meets the public participation requirements in section 5 of this rule.

(3) The PAL permit shall contain all the requirements of section 7 of this rule.

(4) The PAL shall include fugitive emissions, to the extent quantifiable, from all emissions units that emit or have the potential to emit the PAL pollutant at the major stationary source.

(5) Each PAL shall regulate emissions of only one (1) pollutant.

(6) Each PAL shall have a PAL effective period of ten (10) years.

(7) The owner or operator of the major stationary source with a PAL shall comply with the monitoring, record keeping, and reporting requirements provided in sections 12 through 14 of this rule for each emissions unit under the PAL through the PAL effective period.

(b) At no time during or after the PAL effective period are emissions reductions of a PAL pollutant, which occur during the PAL effective period, creditable as decreases for purposes of offsets under 326 IAC 2-3-3 unless the level of the PAL is reduced by the amount of the emissions reductions and the reductions would be creditable in the absence of the PAL. *(Air Pollution Control Board; 326 IAC 2-3.4-4; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3941)*

326 IAC 2-3.4-5 Public participation requirements for PALs

Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-15; IC 13-17

Sec. 5. PALs for existing major stationary sources shall be:

(1) established;
(2) renewed;
(3) increased;
(4) terminated; or
(5) revoked;

through a procedure that is consistent with 326 IAC 2-7-17. This includes the requirement that the department provide the public with notice of the proposed approval of a PAL permit and at least a thirty (30) day period for submittal of public comment. The department must address all material comments before taking final action on the permit. *(Air Pollution Control Board; 326 IAC 2-3.4-5; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3941)*

326 IAC 2-3.4-6 Establishing a 10 year actuals PAL level

Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-15; IC 13-17

Sec. 6. (a) The actuals PAL level for a major stationary source shall be established as the sum of the baseline actual emissions of the PAL pollutant for each emissions unit at the source plus an amount equal to the least of the following levels:

(1) The applicable significant level in 326 IAC 2-3-1(qq) for the PAL pollutant.

(2) The de minimis level in 326 IAC 2-3-1(q) in case of the PAL for VOC emissions for sources located in severe or serious nonattainment areas.

(3) The level specified under CAA.

(b) For establishing the actuals PAL level for a PAL pollutant, only one (1) consecutive twenty-four (24) month period shall be used to determine the baseline actual emissions for all existing emissions units. A different

consecutive twenty-four (24) month period may be used for each different PAL pollutant.

(c) Emissions associated with units that were permanently shutdown after this twenty-four (24) month period must be subtracted from the PAL level.

(d) Emissions from units, except modifications to existing units, on which actual construction began after the twenty-four (24) month period must be added to the PAL level in an amount equal to the potential to emit of the units.

(e) The department shall specify a reduced PAL level, in tons per year, in the PAL permit to become effective on the future compliance date of any applicable federal or state regulatory requirement that the department is aware of prior to issuance of the PAL permit. *(Air Pollution Control Board; 326 IAC 2-3.4-6; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3941)*

326 IAC 2-3.4-7 Contents of the PAL permit
Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-15; IC 13-17

Sec. 7. The PAL permit must contain, at a minimum, the following information:
(1) The PAL pollutant and the applicable source-wide emission limitation in tons per year.
(2) The PAL permit effective date and the expiration date of the PAL.
(3) Specification in the PAL permit that if a major stationary source owner or operator applies to renew a PAL in accordance with section 10 of this rule before the end of the PAL effective period, then the PAL shall not expire at the end of the PAL effective period. It shall remain in effect until a revised PAL permit is issued by the department.
(4) A requirement that emission calculations for compliance purposes include emissions from startups, shutdowns, and malfunctions.
(5) A requirement that, once the PAL expires, the major stationary source is subject to the requirements of section 9 of this rule.
(6) The calculation procedures that the major stationary source owner or operator shall use to convert the monitoring system data to monthly emissions and annual emissions based on a twelve (12) month rolling total as required by section 13(a) of this rule.
(7) A requirement that the major stationary source owner or operator monitor all emissions units in accordance with section 12 of this rule.
(8) A requirement to retain the records required under section 13 of this rule on site. The records may be retained in an electronic format.
(9) A requirement to submit the reports required under section 14 of this rule by the required deadlines.
(10) Any other requirements that the department deems necessary to implement and enforce the PAL.
(Air Pollution Control Board; 326 IAC 2-3.4-7; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3942)

326 IAC 2-3.4-8 PAL effective period and reopening of the PAL permit
Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-15; IC 13-17

Sec. 8. (a) The department shall specify a PAL effective period of ten (10) years.

(b) For reopening of the PAL permit, the following requirements must be met:
(1) During the PAL effective period, the department shall reopen the PAL permit to:
(A) correct typographical or calculation errors made in setting the PAL or reflect a more accurate determination of emissions used to establish the PAL;
(B) reduce the PAL if the owner or operator of the major stationary source creates creditable emissions reductions for use as offsets under 326 IAC 2-3-3; or
(C) revise the PAL to reflect an increase in the PAL as provided under section 11 of this rule.
(2) The department has discretion to reopen the PAL permit to reduce the PAL as follows:

(A) To reflect newly applicable federal requirements with compliance dates after the PAL effective date.

(B) Consistent with any other requirement that is enforceable as a practical matter and that the state may impose on the major stationary source under the state implementation plan.

(C) If the department determines that a reduction is necessary to avoid causing or contributing to a NAAQS or PSD increment violation or to an adverse impact on an air quality related value that has been identified for a federal Class I area by a federal land manager and for which information is available to the general public.

(3) Except for the permit reopening in subdivision (1)(A) for the correction of typographical or calculation errors that do not increase the PAL level, all other reopenings shall be conducted in accordance with the public participation requirements of section 5 of this rule.

(Air Pollution Control Board; 326 IAC 2-3.4-8; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3942)

326 IAC 2-3.4-9 Expiration of a PAL

Authority: IC 13-14-8; IC 13-17-3

Affected: IC 13-15; IC 13-17

Sec. 9. (a) Any PAL that is not renewed in accordance with the procedures in section 10 of this rule shall expire at the end of the PAL effective period, and the requirements in this section shall apply.

(b) Each emissions unit or each group of emissions units that existed under the PAL shall comply with an allowable emission limitation under a revised permit established according to the following procedures:

(1) Within the time frame specified for PAL renewals in section 10(b) of this rule, the major stationary source shall submit a proposed allowable emission limitation for each emissions unit or each group of emissions units, if the distribution is more appropriate as decided by the department by distributing the PAL allowable emissions for the major stationary source among each of the emissions units that existed under the PAL. If the PAL had not yet been adjusted for an applicable requirement that became effective during the PAL effective period, as required under section 10(e) of this rule, the distribution shall be made as if the PAL had been adjusted.

(2) The department shall decide whether and how the PAL allowable emissions will be distributed and issue a revised permit incorporating allowable limits for each emissions unit, or each group of emissions units, as the department determines is appropriate.

(c) Each emissions unit shall comply with the allowable emission limitation on a twelve (12) month rolling basis. The department may approve the use of monitoring systems other than CEMS, CERMS, PEMS, or CPMS to demonstrate compliance with the allowable emission limitation.

(d) Until the department issues the revised permit incorporating allowable limits for each emissions unit, or each group of emissions units, as required under subsection (b)(1), the source shall continue to comply with a source-wide, multiunit emissions cap equivalent to the level of the PAL emission limitation.

(e) Any physical change or change in the method of operation at the major stationary source will be subject to the nonattainment major NSR requirements if the change meets the definition of major modification in 326 IAC 2-3-1.

(f) The major stationary source owner or operator shall continue to comply with any state or federal applicable requirements that may have applied either during the PAL effective period or prior to the PAL effective period except for those emission limitations that had been established under 326 IAC 2-3-2(d) but were eliminated by the PAL under section 1(c)(3) of this rule. *(Air Pollution Control Board; 326 IAC 2-3.4-9; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3943)*

326 IAC 2-3.4-10 Renewal of a PAL

Authority: IC 13-14-8; IC 13-17-3

Affected: IC 13-15; IC 13-17

Sec. 10. (a) The department shall follow the procedures specified in section 5 of this rule in approving any request to renew a PAL for a major stationary source and shall provide both the proposed PAL level and a written rationale for the proposed PAL level to the public for review and comment. During the public review, any person may propose a PAL level for the source for consideration by the department.

(b) A major stationary source owner or operator shall submit a timely application to the department to request renewal of a PAL. A timely application is one that is submitted at least six (6) months prior to, but not earlier than eighteen (18) months from, the date of PAL expiration. If the owner or operator of a major stationary source submits a complete application to renew the PAL within this time period, then the PAL shall continue to be effective until the revised permit with the renewed PAL is issued.

(c) The application to renew a PAL permit shall contain the following information:
(1) The information required in section 3 of this rule.
(2) A proposed PAL level.
(3) The sum of the potential to emit of all emissions units under the PAL with supporting documentation.
(4) Any other information the owner or operator wishes the department to consider in determining the appropriate level for renewing the PAL.

(d) In determining whether and how to adjust the PAL, the department shall consider the options outlined in this subsection. However, in no case may any adjustment fail to comply with subdivision (3). The following provisions apply:
(1) If the emissions level calculated in accordance with section 6 of this rule is equal to or greater than eighty percent (80%) of the PAL level, the department may renew the PAL at the same level without considering the factors set forth in subdivision (2).
(2) The department may set the PAL at a level that it determines to be more representative of the source's baseline actual emissions or that it determines to be appropriate considering:
(A) air quality needs;
(B) advances in control technology;
(C) anticipated economic growth in the area;
(D) desire to reward or encourage the source's voluntary emissions reductions; or
(E) other factors as specifically identified by the department.
(3) Notwithstanding subdivisions (1) and (2):
(A) if the potential to emit of the major stationary source is less than the PAL, the department shall adjust the PAL to a level no greater than the potential to emit of the source; and
(B) the department shall not approve a renewed PAL level higher than the current PAL unless the major stationary source has complied with section 11 of this rule.

(e) If the compliance date for a state or federal requirement that applies to the PAL source occurs during the PAL effective period and if the department has not already adjusted for the requirement, the PAL shall be adjusted at the time of PAL permit renewal or Part 70 permit renewal, whichever occurs first. *(Air Pollution Control Board; 326 IAC 2-3.4-10; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3943)*

326 IAC 2-3.4-11 Increasing a PAL during the PAL effective period
Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-15; IC 13-17

Sec. 11. (a) The department may increase a PAL emission limitation during the PAL effective period only if the major stationary source complies with the following provisions:
(1) The owner or operator of the major stationary source shall submit a complete application to request an increase in the PAL limit for a PAL major modification. The application shall identify the emissions units contributing to the increase in emissions so as to cause the major stationary source's emissions to equal or exceed its PAL.
(2) As part of this application, the major stationary source owner or operator shall demonstrate that the sum of the baseline actual emissions of the small emissions units plus the sum of the baseline actual emissions of

the significant and major emissions units assuming application of BACT equivalent controls plus the sum of the allowable emissions of the new or modified emissions units exceeds the PAL. The level of control that would result from BACT equivalent controls on each significant or major emissions unit shall be determined by conducting a new BACT analysis at the time the application is submitted unless the emissions unit is currently required to comply with a BACT or LAER requirement that was established within the preceding ten (10) years. In this case, the assumed control level for that emissions unit shall be equal to the level of BACT or LAER with which that emissions unit must currently comply.

(3) The owner or operator shall obtain a major NSR permit for all emissions units identified in subdivision (1) regardless of the magnitude of the emissions increase resulting from them. These emissions units shall comply with any emissions requirements resulting from the nonattainment major NSR process, even though they have also become subject to the PAL or continue to be subject to the PAL.

(4) The PAL permit shall require that the increased PAL level shall be effective on the day any emissions unit that is part of the PAL major modification becomes operational and begins to emit the PAL pollutant.

(b) The department shall calculate the new PAL as the sum of the allowable emissions for each modified or new emissions unit plus the sum of the baseline actual emissions of the significant and major emissions units, assuming application of BACT equivalent controls as determined in accordance with subsection (a)(2), plus the sum of the baseline actual emissions of the small emissions units.

(c) The PAL permit must be revised to reflect the increased PAL level under the public notice requirements of section 5 of this rule. *(Air Pollution Control Board; 326 IAC 2-3.4-11; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3944)*

326 IAC 2-3.4-12 Monitoring requirements for PALs

Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-15; IC 13-17

Sec. 12. (a) The following general requirements apply:

(1) Each PAL permit must contain enforceable requirements for the monitoring system that accurately determines plantwide emissions of the PAL pollutant in terms of mass per unit of time. Any monitoring system authorized for use in the PAL permit must be based on sound science and meet generally acceptable scientific procedures for data quality and manipulation. Additionally, the information generated by the system must meet minimum legal requirements for admissibility in a judicial proceeding to enforce the PAL permit.

(2) The PAL monitoring system must employ one (1) or more of the four (4) general monitoring approaches meeting the minimum requirements set forth in subsection (b) and must be approved by the department.

(3) Notwithstanding subdivision (2), an alternative monitoring approach may be employed:

(A) that meets subdivision (1); and

(B) if it is approved by the department.

(4) Failure to use a monitoring system that meets the requirements of this section renders the PAL invalid.

(b) The following are acceptable general monitoring approaches when conducted in accordance with the minimum requirements in subsections (c) through (i):

(1) Mass balance calculations for activities using coatings or solvents.

(2) CEMS.

(3) CPMS or PEMS.

(4) Emission factors.

(c) An owner or operator using mass balance calculations to monitor PAL pollutant emissions from activities using coating or solvents shall meet the following requirements:

(1) Provide a demonstrated means of validating the published content of the PAL pollutant that is contained in or created by all materials used in or at the emissions unit.

(2) Assume that the emissions unit emits all of the PAL pollutant that is contained in or created by any raw material or fuel used in or at the emissions unit if it cannot otherwise be accounted for in the process.

(3) Where the vendor of a material or fuel, which is used in or at the emissions unit, publishes a range of pollutant content from the material, the owner or operator must use the highest value of the range to calculate

the PAL pollutant emissions unless the department determines there is site-specific data or a site-specific monitoring program to support another content within the range.

(d) An owner or operator using CEMS to monitor PAL pollutant emissions shall meet the following requirements:

(1) CEMS must comply with applicable performance specifications found in 40 CFR Part 60, Appendix B*.

(2) CEMS must sample, analyze, and record data at least every fifteen (15) minutes while the emissions unit is operating.

(e) An owner or operator using CPMS or PEMS to monitor PAL pollutant emissions shall meet the following requirements:

(1) The CPMS or the PEMS must be based on current site-specific data demonstrating a correlation between the monitored parameters and the PAL pollutant emissions across the range of operation of the emissions unit.

(2) Each CPMS or PEMS must sample, analyze, and record data at least every fifteen (15) minutes, or at another less frequent interval approved by the department, while the emissions unit is operating.

(f) An owner or operator using emission factors to monitor PAL pollutant emissions shall meet the following requirements:

(1) All emission factors shall be adjusted, if appropriate, to account for the degree of uncertainty or limitations in the factors' development.

(2) The emissions unit shall operate within the designated range of use for the emission factor, if applicable.

(3) If technically practicable, the owner or operator of a significant emissions unit that relies on an emission factor to calculate PAL pollutant emissions shall conduct validation testing to determine a site-specific emission factor within six (6) months of PAL permit issuance unless the department determines that testing is not required.

(g) A source owner or operator must record and report maximum potential emissions without considering enforceable emission limitations or operational restrictions for an emissions unit during any period of time that there is no monitoring data unless another method for determining emissions during the periods is specified in the PAL permit.

(h) Notwithstanding the requirements in subsections (c) through (g), where an owner or operator of an emissions unit cannot demonstrate a correlation between the monitored parameters and the PAL pollutant emissions rate at all operating points of the emissions unit, the department shall, at the time of permit issuance:

(1) establish default values for determining compliance with the PAL based on the highest potential emissions reasonably estimated at the operating points; or

(2) determine that operation of the emissions unit during operating conditions when there is no correlation between monitored parameters and the PAL pollutant emissions is a violation of the PAL.

(i) All data used to establish the PAL pollutant must be revalidated through performance testing or other scientifically valid means approved by the department. The testing must occur at least once every five (5) years after issuance of the PAL.

***This document is incorporated by reference. Copies may be obtained from the Government Printing Office, 732 North Capitol Street NW, Washington, D.C. 20401 or are available for review and copying at the Indiana Department of Environmental Management, Office of Air Quality, Indiana Government Center-North, Tenth Floor, 100 North Senate Avenue, Indianapolis, Indiana 46204.** *(Air Pollution Control Board; 326 IAC 2-3.4-12; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3944)*

326 IAC 2-3.4-13 Record keeping requirements

Authority: IC 13-14-8; IC 13-17-3

Affected: IC 13-15; IC 13-17

Sec. 13. (a) The PAL permit shall require an owner or operator to retain a copy of all records necessary to

determine compliance with any requirement of this rule and of the PAL, including a determination of each emissions unit's twelve (12) month rolling total emissions, for five (5) years from the date of the record.

(b) The PAL permit shall require an owner or operator to retain a copy of the following records for the duration of the PAL effective period plus five (5) years:

(1) A copy of the PAL permit application and any applications for revisions to the PAL.

(2) Each annual certification of compliance pursuant to 40 CFR Part 70* and the data relied on in certifying the compliance.

***This document is incorporated by reference. Copies may be obtained from the Government Printing Office, 732 North Capitol Street NW, Washington, D.C. 20401 or are available for review and copying at the Indiana Department of Environmental Management, Office of Air Quality, Indiana Government Center-North, Tenth Floor, 100 North Senate Avenue, Indianapolis, Indiana 46204.** *(Air Pollution Control Board; 326 IAC 2-3.4-13; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3945)*

326 IAC 2-3.4-14 Reporting and notification requirements

Authority: IC 13-14-8; IC 13-17-3

Affected: IC 13-15; IC 13-17

Sec. 14. (a) The owner or operator shall submit semiannual monitoring reports and deviation reports to the department in accordance with 326 IAC 2-7. The reports shall meet the requirements of this section.

(b) A semiannual report shall be submitted to the department within thirty (30) days of the end of each reporting period. This report shall contain the following information:

(1) The identification of owner and operator and the permit number.

(2) Total annual emissions in tons per year based on a twelve (12) month rolling total for each month in the reporting period recorded under section 13(a) of this rule.

(3) All data relied upon, including, but not limited to, any quality assurance or quality control data, in calculating the monthly and annual PAL pollutant emissions.

(4) A list of any emissions units modified or added to the major stationary source during the preceding six (6) month period.

(5) The number, duration, and cause of any deviations or monitoring malfunctions, other than the time associated with zero (0) and span calibration checks, and any corrective action taken.

(6) Information about monitoring system shutdowns including the following:

(A) Notification to the department of the shutdown of any monitoring system.

(B) Whether the shutdown was permanent or temporary.

(C) The reason for the shutdown.

(D) The anticipated date that the monitoring system will be fully operational or replaced with another monitoring system.

(E) Whether the emissions unit monitored by the monitoring system continued to operate.

(F) If the emissions unit monitored by the monitoring system continued to operate, the calculation of the:

(i) emissions of the pollutant; or

(ii) number determined by method included in the permit, as provided by section 12(g) of this rule.

(7) A signed statement by the responsible official, as defined in 326 IAC 2-7-1(34), certifying the truth, accuracy, and completeness of the information provided in the report.

(c) The major stationary source owner or operator shall promptly submit reports to the department of any deviations or exceedance of the PAL requirements, including periods where no monitoring is available. A report submitted under 326 IAC 2-7-5(3)(C)(ii) shall satisfy this reporting requirement. The deviation reports shall be submitted within the time limits prescribed by 326 IAC 2-7-5(3)(C)(ii). The reports shall contain the following information:

(1) The identification of owner and operator and the permit number.

(2) The PAL requirement that experienced the deviation or that was exceeded.

(3) Emissions resulting from the deviation or the exceedance.

(4) A signed statement by the responsible official, as defined in 326 IAC 2-7-1(34), certifying the truth, accuracy, and completeness of the information provided in the report.

(d) The owner or operator shall submit to the department the results of any revalidation test or method within three (3) months after completion of the test or method. *(Air Pollution Control Board; 326 IAC 2-3.4-14; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3946)*

326 IAC 2-3.4-15 Termination and revocation of a PAL
Authority: IC 13-14-8; IC 13-17-3
Affected: IC 13-15; IC 13-17

Sec. 15. (a) This section applies to any PAL that is terminated or revoked prior to the PAL expiration date.

(b) A major stationary source owner or operator may at any time submit a written request to the department to terminate or revoke a PAL prior to the expiration or renewal of the PAL.

(c) Each emissions unit or each group of emissions units that existed under the PAL shall be in compliance with an allowable emission limitation under a revised permit established according to the following procedures:
(1) The major stationary source owner or operator may submit a proposed allowable emission limitation for each emissions unit or each group of emissions units by distributing the PAL allowable emissions for the major stationary source among each of the emissions units that existed under the PAL. If the PAL had not yet been adjusted for an applicable requirement that became effective during the PAL effective period, as required under section 10(e) of this rule, such distribution shall be made as if the PAL had been adjusted.
(2) The department shall decide whether and how the PAL allowable emissions will be distributed and issue a revised permit incorporating allowable limits for each emissions unit, or each group of emissions units, as the department determines is appropriate. The determination of distribution of the PAL allowable emissions may be based on the emissions limitations that were eliminated by the PAL in accordance with section 1(c)(3) of this rule.

(d) Each emissions unit shall be in compliance with the allowable emission limitation on a twelve (12) month rolling basis. The department may approve the use of monitoring systems other than CEMS, CERMS, PEMS, or CPMS to demonstrate compliance with the allowable emission limitation.

(e) Until the department issues the revised permit incorporating allowable limits for each emissions unit, or each group of emissions units, as required under subsection (c)(2), the source shall continue to comply with a source-wide, multiunit emissions cap equivalent to the level of the PAL emission limitation.

(f) The department shall follow the procedures specified in section 5 of this rule in terminating or revoking a PAL for a major stationary source and shall provide the proposed distributed allowable emission limitations to the public for review and comment. During such public review, any person may propose a PAL distribution of allowable emissions for the source for consideration by the department. *(Air Pollution Control Board; 326 IAC 2-3.4-15; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3946)*

SECTION 21. 326 IAC 2-5.1-4 IS AMENDED TO READ AS FOLLOWS:

326 IAC 2-5.1-4 Transition procedures
Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15-4-9; IC 13-17

Sec. 4. (a) The commissioner shall include an approval to operate and operating conditions in an initial construction permit. The level of approval shall be as follows:
(1) A source ~~may request~~ **must obtain** approval to operate under a state operating permit under 326 IAC 2-6.1 if ~~either of the following applies:~~
~~(A)~~ the permit does not include terms and conditions that limit the potential to emit of the source to below

thresholds that would require a Part 70 permit.

~~(B) The source is subject to the Part 70 requirements under 326 IAC 2-7 and will submit a Part 70 permit application within twelve (12) months of the date the source is approved to operate.~~

(2) A source ~~will~~ **must** obtain approval to operate as a FESOP under 326 IAC 2-8 if the permit includes terms and conditions that limit the potential to emit of the source to below the thresholds that require the source to obtain a Part 70 permit and is issued in accordance with 326 IAC 2-8-13.

(3) A source ~~may~~ **must** obtain approval to operate as a Part 70 source under 326 IAC 2-7 if:

(A) the source is constructing under 326 IAC 2-2 or 326 IAC 2-3; or

(B) the potential to emit exceeds the Part 70 major source thresholds as defined in 326 IAC 2-7-1(22).

The permit **must include the permit** content **in accordance with 326 IAC 2-7-5** and compliance requirements ~~conform to 326 IAC 2-7-5 and~~ **in accordance with** 326 IAC 2-7-6, and the permit ~~is~~ **must be** issued in accordance with 326 IAC 2-7-17.

(b) If all terms and conditions of 326 IAC 2-1.1-6 were satisfied in the processing of the construction permit, then the emission limitations may be included in the subsequent operating permit without repeating the public notice requirements in 326 IAC 2-1.1-6. *(Air Pollution Control Board; 326 IAC 2-5.1-4; filed Nov 25, 1998, 12:13 p.m.: 22 IR 1011; filed Aug 10, 2004, 3:35 p.m.: 27 IR 3947)*

LSA Document #03-67(F)
Proposed Rule Published: March 1, 2004; 27 IR 1966
Hearing Held: June 2, 2004
Approved by Attorney General: July 22, 2004
Approved by Governor: August 6, 2004
Filed with Secretary of State: August 10, 2004, 3:35 p.m.
IC 4-22-7-5(c) notice from Secretary of State regarding documents incorporated by reference: None received by Publisher